

# Service Manual

ORDER NO. RRV2120

#### FILE-TYPE COMPACT DISC PLAYER

# PD-F908

Refer to the service manual RRV2085 for PD-F908/KUXQ.

#### THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Туре	Model	Power Requirement	The voltage can be converted by the following method.		
Турс	PD-F908	rower Kequirement			
RDXQ	0	AC110-127V/ 220- 240V	With the voltage selector		

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# 1. CONTRAST OF MISCELLANEOUS PARTS

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The lambda mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Reference Nos. indicate the pages and Nos. in the service manual for the base model.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.
  - Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

```
560 \ \Omega \rightarrow 56 \times 10^{1} \rightarrow 561 \qquad RD1/4PU \ 561 \ J
47k \ \Omega \rightarrow 47 \times 10^{3} \rightarrow 473 \qquad RD1/4PU \ 473 \ J
0.5 \ \Omega \rightarrow R50 \qquad RN2H \ 850 \ K
1 \ \Omega \rightarrow 1R0 \qquad RSIP \ 1R0 \ K
```

#### **■ CONTRAST TABLE**

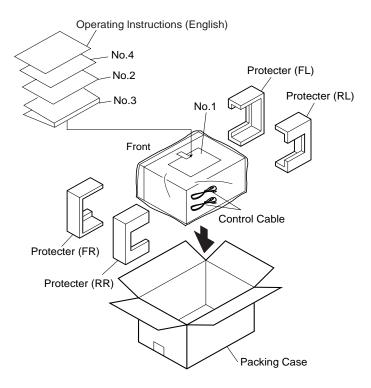
PD-F908/ RDXQ and KUXQ are constructed the same except for the following:

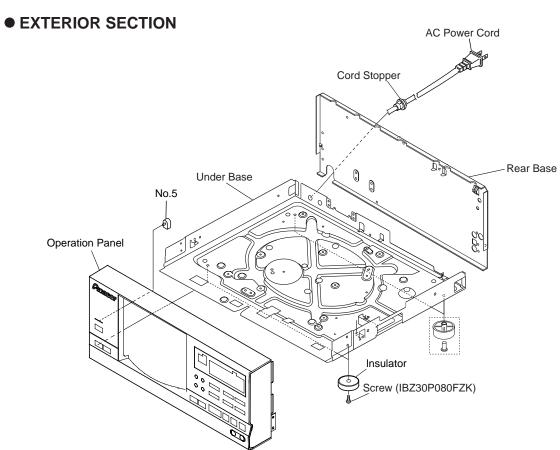
Ref.			Par	t No.		
No.	Mark	Symbol and Description	PD-F908/	PD-F908/	Remarks	
			KUXQ	RDXQ		
		PCB ASSEMBLIES				
	NSP	MOTHER BOARD ASSY	PWM2266	PWM2267		
P6-1	<u> </u>	<ul> <li>MAIN BOARD ASSY</li> </ul>	PWZ3876	PWZ3877		
P6-2	<u> </u>	<ul> <li>POWER BOARD ASSY</li> </ul>	PWZ3879	PWZ3880		
P6-4	NSP	└ SWITCH BOARD ASSY	PWZ3885	PWZ3886		
		PACKING				
P3-5	NSP	Warranty Card	ARY7023	Not used		
P3-11		Packing Case	PHG2334	PHG2336		
	NSP	Caution 220V Card	Not used	ARR7003	No.1	
		Index Label 100	Not used	PRW1406	No.2	
		Jacket File	Not used	PHN1049	No.3	
		Operating Instructions	Not used	PRD1035	No.4	
				(Spanish/Chinese)		
		EXTERIOR				
P6-10	$  \wedge  $	Cord Stopper	CM-22C	CM-22B		
P6-12	$\overline{\mathbb{A}}$	AC Power Cord	PDG1064	ADG1157		
P6-13		Rubber Sheet	AEB1111	Not used		
P6-18		Rear Base	PNA2450	PNA2451		
P6-20		Insulator	Not used	PNW2766		
				(X2)		
P6-50		Operation Panel	PNW2867	PNW2868		
P6-55		65 Label	ARW7050	Not used		
		LED Lens	Not used	PNW2019	No.5	

Note: • The numbers in the remarks column correspond to the numbers on the exploded diagram, Refer to "EXPLODED VIEWS".

# **■ EXPLODED VIEWS**

#### PACKING SECTION





### ■ CONTRAST OF PCB ASSEMBLIES

# JF MAIN BOARD ASSY

PWZ3877 and PWZ3876 are constructed the same except for the following:

Monte	Combal and Daggintian	Pari	No.	Domonico
Mark	Symbol and Description	PWZ3876	PWZ3877	Remarks
	C319, C364, C398	Not used	CKCYF103Z50	
	C399	CKCYF103Z50	Not used	
	C389, C397	CCCSL101J50	Not used	
	C393, C1301	Not used	CCCSL101J50	
	L392	Not used	LAU1R0J	
	L393	LAU1R0J	Not used	
	R316, R317, R3252	Not used	RD1/4PU221J	

Note: Refer to "2.SCHEMATIC DIAGRAM".

# KF POWER BOARD ASSY

PWZ3880 and PWZ3879 are constructed the same except for the following:

Mark	Symbol and Description	Part	No.	Remarks
IVIALK	Symbol and Description	PWZ3879	PWZ3880	Remarks
$\triangle$	C17 S05 POWER TRANSFORMER	Not used Not used PTT1318	CKCYF103Z50 PSB1006 PTT1320	

Note: Refer to "2.SCHEMATIC DIAGRAM".

# F SWITCH BOARD ASSY

PWZ3886 and PWZ3885 are constructed the same except for the following:

Mark	Symbol and Description	Part	No.	Remarks
IVIAIR	Symbol and Description	PWZ3885	PWZ3886	Kemarks
	D751 R751	Not used Not used	PCX1019 RD1/4PU471J	

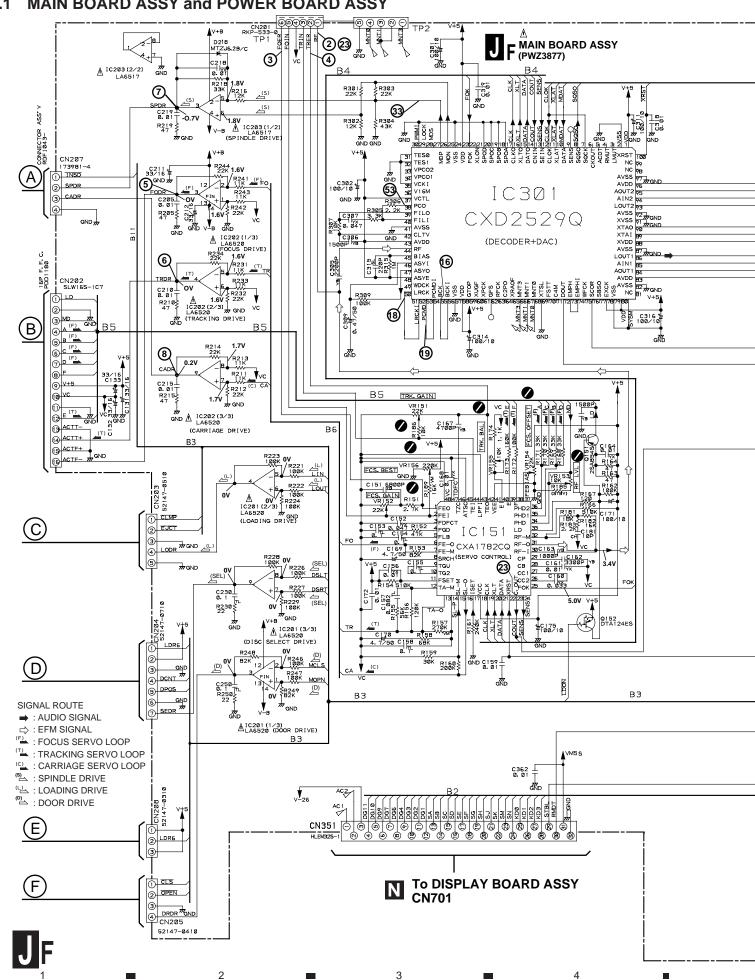
Note: Refer to "2.SCHEMATIC DIAGRAM".

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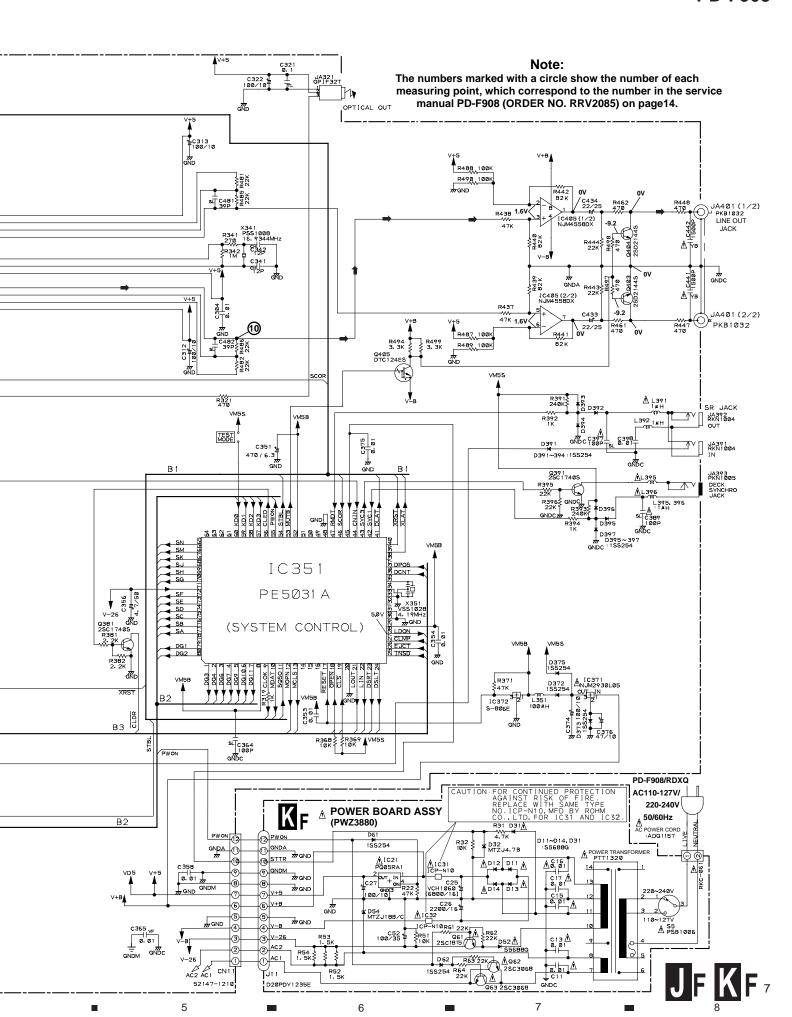
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# 2. SCHEMATIC DIAGRAM

#### MAIN BOARD ASSY and POWER BOARD ASSY



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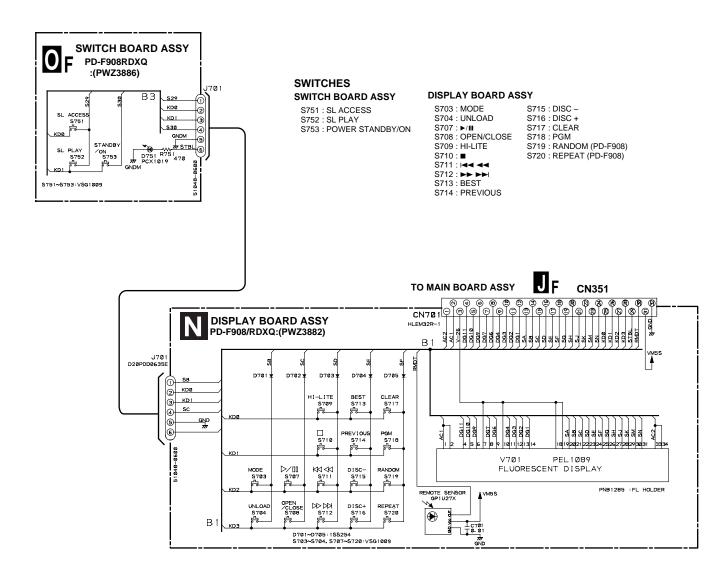


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**PD-F908** 

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#### DISPLAY BOARD ASSY and SWITCH BOARD ASSY



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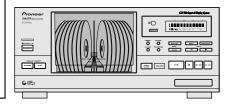
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# Service Manual



ORDER NO. RRV2085

FILE-TYPE COMPACT DISC PLAYER

# PD-F958 PD-F908

#### THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Туре	Model		Dower Poguirement	Domorko	
Туре	PD-F958	PD-F908	Power Requirement	Remarks	
KUXQ	-	0	AC120V		
KCXQ	-	0	AC120V		
KUXQ/CA	0	_	AC120V		

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#### 1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual.

Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

#### WARNING

This product contains lead in solder and certain electrical parts contain chemicals which are known to the state of California to cause cancer, birth defects or other reproductive harm.

Health & Safety Code Section 25249.6 - Proposition 65

#### NOTICE

#### (FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

#### REMARQUE

#### (POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

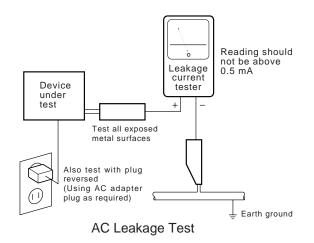
#### (FOR USA MODEL ONLY)-

#### 1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

#### LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

#### 2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a  $\triangle$  on the schematics and on the parts list in this Service Manual.

The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

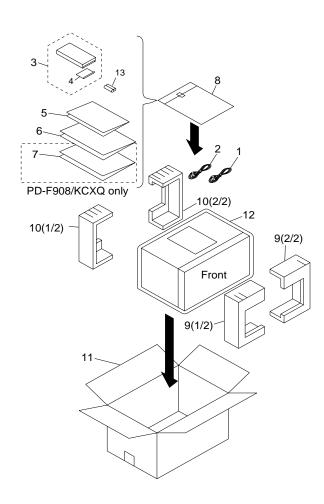
# 2. EXPLODED VIEWS AND PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The 
   \( \Delta \) mark found on some component parts indicates the importance of the safety factor of the part.

   Therefore, when replacing, be sure to use parts of identical designation.
- Screw adjacent to **▼** mark on the product are used for disassembly.

#### 2.1 PACKING



#### (1) PARTS LIST

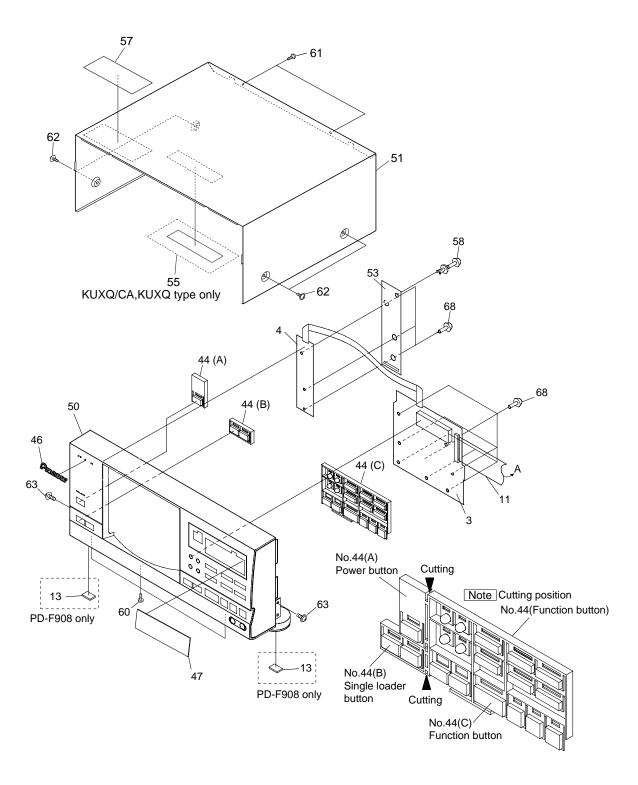
Mark	No.	Description	Part No.
	1	Control Cable (L=1.0m)	PDE1247
	2	Output Cable (L=1.0m)	PDE1248
	3	Remote Control Unit	See Contrast table (2)
	4	Battery Cover	PZN1105
NSP	5	Warranty Card	See Contrast table (2)
	6	Operating Instructions (English)	See Contrast table (2)
	7	Operating Instructions (French))	See Contrast table (2)
	8	Polyethlene Bag	Z21 - 038
	9	Styrol Protector F	PHA1333
	10	Styrol Protector R	PHA1334
	11	Packing Case	See Contrast table (2)
	12	Mirror Mat	PHF1001
NSP	13	Battery (R6P, AA)	VEM 1010

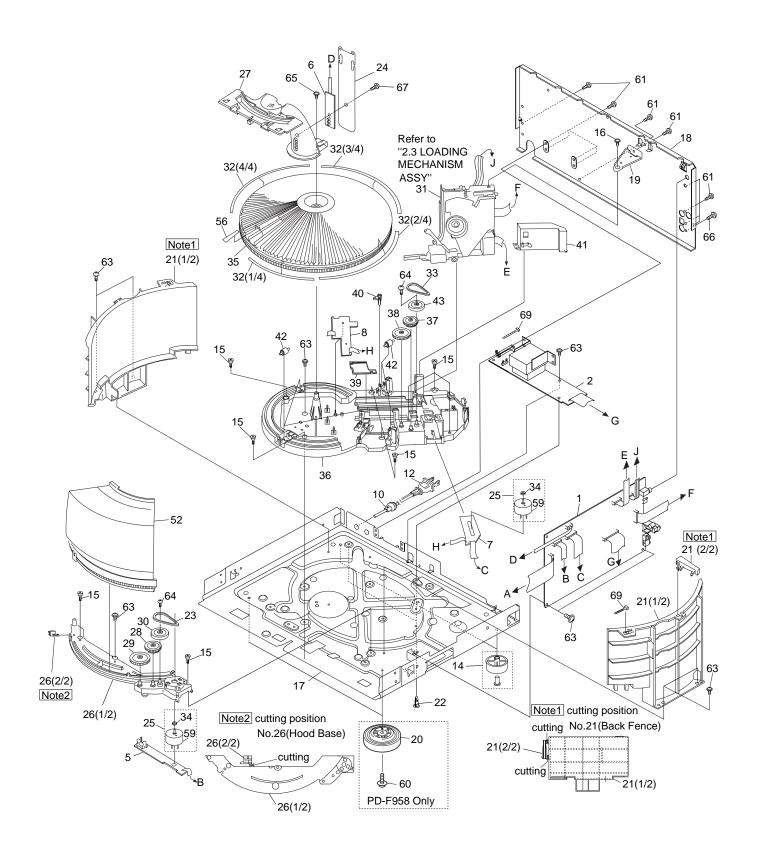
### (2) CONTRAST TABLE

PD-F908/KUXQ,KCXQ and PD-F958/KUXQ/CA have the same construction except for the following:

Mark	No.	Symbol & Description	PD-F958/ KUXQ/CA	PD-F908/ KUXQ	PD-F908/ KCXQ	Remarks
	3	Remote Control Unit	PWW1148	PWW1147	PWW1147	
			(CU-PD101)	(CU-PD100)	(CU-PD100)	
NSP	5	Warranty Card	ARY7023	ARY7023	ARY7024	
	6	Operating Instructions (English)	PRB1278	PRB1277	PRB1277	
	7	Operating Instructions (French)	Not used	Not used	PRD1034	
	11	Packing Case	PHG2337	PHG2334	PHG2335	

# **2.2 EXTERIOR**





# PD-F958, PD-F908

# (1) EXTERIOR PARTS LIST

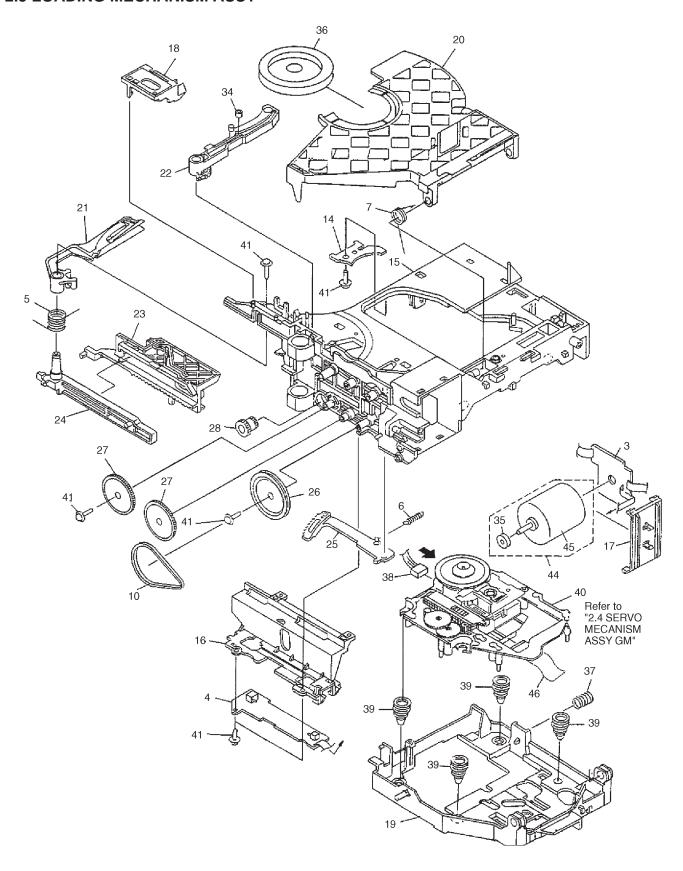
` '							
Mark	No.	Description	Part No.	Mark	No.	Description	Part No.
$\triangle$	1	Main Board Assy	See Contrast table(2)		36	Mecha Base	PNW2639
$\overline{\mathbb{A}}$	2	Power Board Assy	See Contrast table(2)		37	Gear	PNW2906
<u> </u>	3	Display Board Assy	See Contrast table(2)		38	Gear	PNW2642
NSP	4	Switch Board Assy			39	Slider	PNW2643
	5		See Contrast table(2)		40	Lock Lever	PNW2644
NSP	Э	Door Board Assy	See Contrast table(2)		10	LOCK LOVOI	111112011
NSP	6	Center LED Board Assy	See Contrast table(2)		41	Mecha Stopper	PNW2646
NSP	7	Select Motor Board Assy	PWZ3324		42	Roller	PNW2647
NSP	8	Sensor Board Assy	PWZ3327		43	Gear Pulley	VNL1662
	9				44	Function Button	See Contrast table(2)
$\triangle$	10	Cord Stopper	CM - 22C		45		
<u> </u>		Co. a Ctoppe.	J 225			N. Bu	<b></b>
	11	F.F.C/30V	See Contrast table(2)		46	Name Plate	PAM1776
$\triangle$	12	AC Power Cord	PDG1064		47	Display Window	See Contrast table(2)
Z÷\	13	Rubber Sheet	See Contrast table(2)		48		
	14	Foot Assy	REC1263		49		
	15	Screw C	PBA1106		50	Operation Panel	See Contrast table(2)
	13	ociew C	IBATIOO		- 4	D 40	D) () (10 f
	16	Screw	PBA1108		51	Bonnet Case	PYY1191
NSP	17	Under Base	PNA2255		52	Hood	PNW2865
1101	18	Rear Base	See Contrast table(2)		53	Side Cover	PNM1322
	19	Stopper Angle	PNB1559		54		
	20	Insulator	See Contrast table(2)		55	65 Label	See Contrast table (2)
					56	Label	PRW1520
	21	Back Fence	PNW2671		57	Label	PRW1523
	22	Locking Card Spacer	VEC1596		58	Rivet	RBM-003
	23	Belt	PEB1288		59	Slider Motor	VXM1033
	24	Cover	PNM1294		60	Screw	IBZ30P080FZK
	25	Motor Assy	PEA1333		60	Ocicw	1B2301 0001 210
					61	Screw	BBZ30P080FZK
	26	Hood Base	PNW2633		62	Screw	FBT40P080FZK
	27	Center Pole	PNW2634		63	Screw	IBZ30P060FMC
	28	Gear (Middle)	PNW2906		64	Screw	IPZ20P080FMC
	29	Gear (Twin)	PNW2642		65	Screw	IPZ30P080FCU
	30	Gear Pulley	VNL1662		00	Ocicw	11 2301 0001 00
	24	Looding Machaniam Access	DV 14500		66	Screw	PMZ30P060FZK
	31	Loading Mechanism Assy	PXA1589		67	Screw	PPZ30P050FMC
	32	Rack Label	PAM1783		68	Screw	PPZ30P100FMC
	33	Belt	PEB1288		69	Binder	ZCA-SKB90BK
	34	Motor Pulley	PNW1634				
	35	Disc Rack	PNW2845				

# (2) CONTRAST TABLE

PD-F908/KUXQ,KCXQ and PD-F958/KUXQ/CA have the same construction except for the following:

			Part No.		
No.	Symbol & Description	PD-F958/ KUXQ/CA	PD-F908/ KUXQ	PD-F908/ KCXQ	Remarks
1	Main Board Assy	PWZ3895	PWZ3876	PWZ3876	
2	Power Board Assy	PWZ3900	PWZ3879	PWZ3879	
3	Display Board Assy	PWZ3904	PWZ3882	PWZ3882	
4	Switch Board Assy	PWZ3907	PWZ3885	PWZ3885	
5	Door Board Assy	PWZ3913	PWZ3890	PWZ3890	
6 11 13	Center LED Board Assy F.F.C/30V Rubber Sheet	PWZ3915 PDD1186 (40P F.F.C) Not Used	PWZ3892 PDD1167 (32P F.F.C) AEB1111	PWZ3892 PDD1167 (32P F.F.C) AEB1111	
10	Real base	PNA2452	PNA2450	PNA2450	
20 44	Insulator Function Button	PNW2766 PAC1908	Not Used PAC1905	Not Used PAC1905	
47		PAM1772	PAM1774	PAM1774	
50	Operation panel	PNW2869	PNW2867	PNW2867	
55	65 Label	ORW1069	ORW1069	Not used	
	3 4 5 6 11 13 18 20 44 47 50	1 Main Board Assy 2 Power Board Assy 3 Display Board Assy 4 Switch Board Assy 5 Door Board Assy 6 Center LED Board Assy 11 F.F.C/30V 13 Rubber Sheet 18 Rear Base 20 Insulator 44 Function Button 47 Display Window 50 Operation panel	KUXQ/CA           1         Main Board Assy         PWZ3895           2         Power Board Assy         PWZ3900           3         Display Board Assy         PWZ3904           4         Switch Board Assy         PWZ3907           5         Door Board Assy         PWZ3913           6         Center LED Board Assy         PWZ3915           11         F.F.C/30V         PDD1186           (40P F.F.C)         Not Used           18         Rear Base         PNA2452           20         Insulator         PNW2766           44         Function Button         PAC1908           47         Display Window         PAM1772           50         Operation panel         PNW2869	No.         Symbol & Description         PD-F958/ KUXQ/CA         PD-F908/ KUXQ           1         Main Board Assy         PWZ3895         PWZ3876           2         Power Board Assy         PWZ3900         PWZ3879           3         Display Board Assy         PWZ3904         PWZ3882           4         Switch Board Assy         PWZ3907         PWZ3885           5         Door Board Assy         PWZ3913         PWZ3890           6         Center LED Board Assy         PWZ3915         PWZ3892           11         F.F.C/30V         PDD1186         PDD1167           (40P F.F.C)         (32P F.F.C)           13         Rubber Sheet         Not Used         AEB1111           18         Rear Base         PNA2452         PNA2450           20         Insulator         PNW2766         Not Used           44         Function Button         PAC1908         PAC1905           47         Display Window         PAM1772         PAM1774           50         Operation panel         PNW2869         PNW2867	No.         Symbol & Description         PD-F958/ KUXQ/CA         PD-F908/ KUXQ         PD-F908/ KUXQ         PD-F908/ KUXQ           1         Main Board Assy Power Board Assy Display Board Assy Display Board Assy Switch Board Assy Door Board Assy         PWZ3895 PWZ3900 PWZ3890 PWZ3882 PWZ3882 PWZ3885 PWZ3885 PWZ3885 PWZ3890 PWZ3913 PWZ3890 PWZ3890         PWZ3885 PWZ3890 PWZ3890 PWZ3890           6         Center LED Board Assy F.F.C/30V         PWZ3915 PDD1186 PDD1167 PDD1167 PDD1167 PDD1167 PDD1167 PDD1167         PWZ3892 PDD1167 PDD

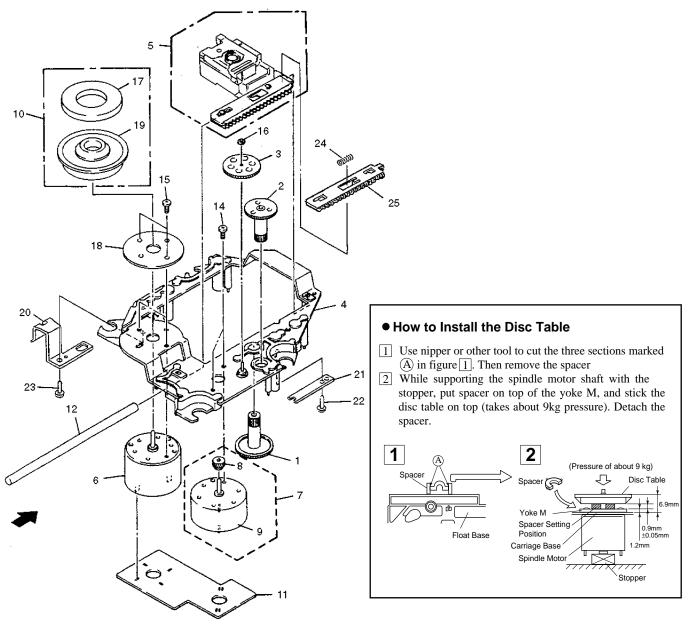
#### 2.3 LOADING MECHANISM ASSY



### ■ LOADING MECHANISM ASSY PARTS LIST

Mark	No.	Description	Part No.
NSP	1 2 3		PWZ3337
NSP	4 5	Load SW Board Assy Arm A Spring2	PWZ3334 ABH7124
	6 7 8	Gear Plate Spring Clamp Spring	ABH7051 ABH7107
	9	Loading Belt	AEB7029
	11 12 13		
NSP	14 15	Servo Stopper S Loading Base	ANB7047 ANW7086
	16 17 18 19 20	Cam Cover Motor Holder Sensor Holder Float Base 96 Clamper Holder	ANW7052 ANW7053 ANW7119 PNW2700 ANW7117
	21 22 23 24 25	· /	ANW7128 ANW7058 ANW7059 ANW7060 ANW7111
	26 27 28 29 30		ANW7062 ANW7063 ANW7064
	31 32 33		
	34 35	Roller B Motor Pulley	ANW7075 PNW1634
NSP	36 37 38 39 40	Clamper Float Spring Connector Assy (4P) Float Rubber Servo Mechanism Assy GM	PNW2743 ABH7049 RDE1043 AEB7028 PXA1591
	41 42 43	Screw	IPZ20P080FMC
	44 45	Motor Assy Loading Motor	AEA7006 VXM1034
	46	16P FFC/30V	PDD1180
		Froil (for Service) Ha Narl (for Service)	GYA1001 GEM1016

### 2.4 SERVO MECHANISM ASSY GM



# ■ SERVO MECHANISM ASSY GM PARTS LIST

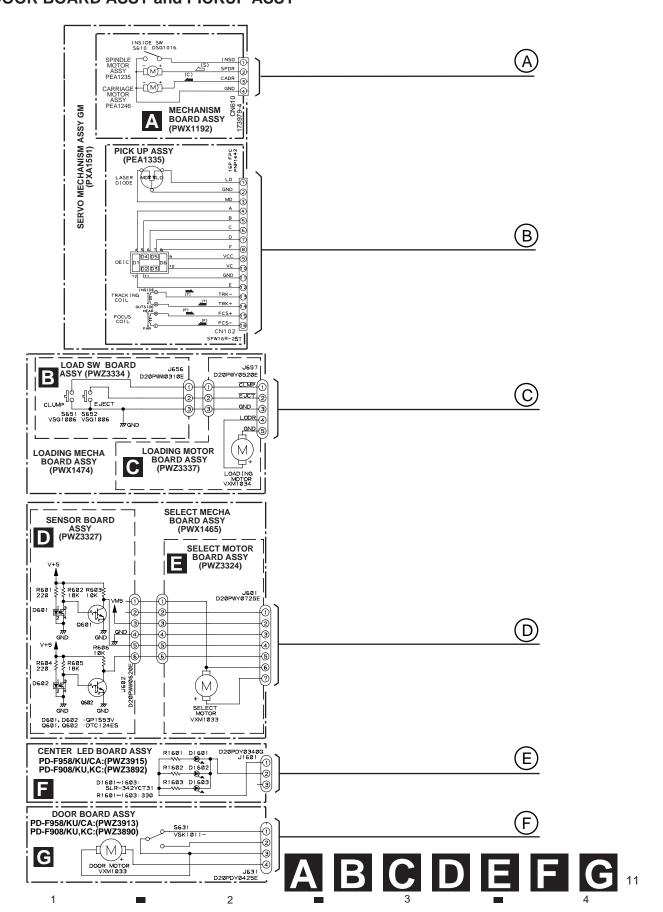
Mark No.	Description	Part No.	Mark	No.	Description	Part No.
1	Gear 1	PNW2052		13		
2	Gear 2	PNW2053		14	Screw	JFZ17P025FZK
3	Gear 3	PNW2054		15	Screw	JFZ20P040FMC
4	Carriage Base	PNW2699				
5	Pickup Assy - S	PEA1335		16	Washer	WT12D032D025
	,			17	Clamp Magnet	PMF1014
6	D.C. Motor Assy (SPINDLE)	PEA1235		18	Yoke M	PNB1312
7	Carriage DC Motor Assy	PEA1246	NSP	19	Disc Table	PNW2410
8	Pinion Gear	PNW2055	NSP	20	Float Angle	ANB7020
9	Carriage DC Motor/0.3W	PXM1027				
10	Disc Table Assy	PEA1314		21	Gear Stopper	PNB1303
	,			22	Screw	BPZ20P060FMC
11	Mechanism Board Assy	PWX1192		23	Screw	BPZ26P100FMC
12	Guide Bar	PLA1094		24	PU Rack Spring	ABH7077
				25	Rack Holder	PNW2056

#### 3. SCHEMATIC DIAGRAM

Note: When ordering service parts, be sure to refer to "EXPLODED VIEW AND PARTS LIST" or "PCB PARTS LIST".

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3.1 MECHANISM BOARD ASSY,SENSOR BOARD ASSY,LOAD SW BOARD ASSY,SELECT MOTOR BOARD ASSY,LOADING MOTOR BOARD ASSY,CENTER LED BOARD ASSY, DOOR BOARD ASSY and PICKUP ASSY

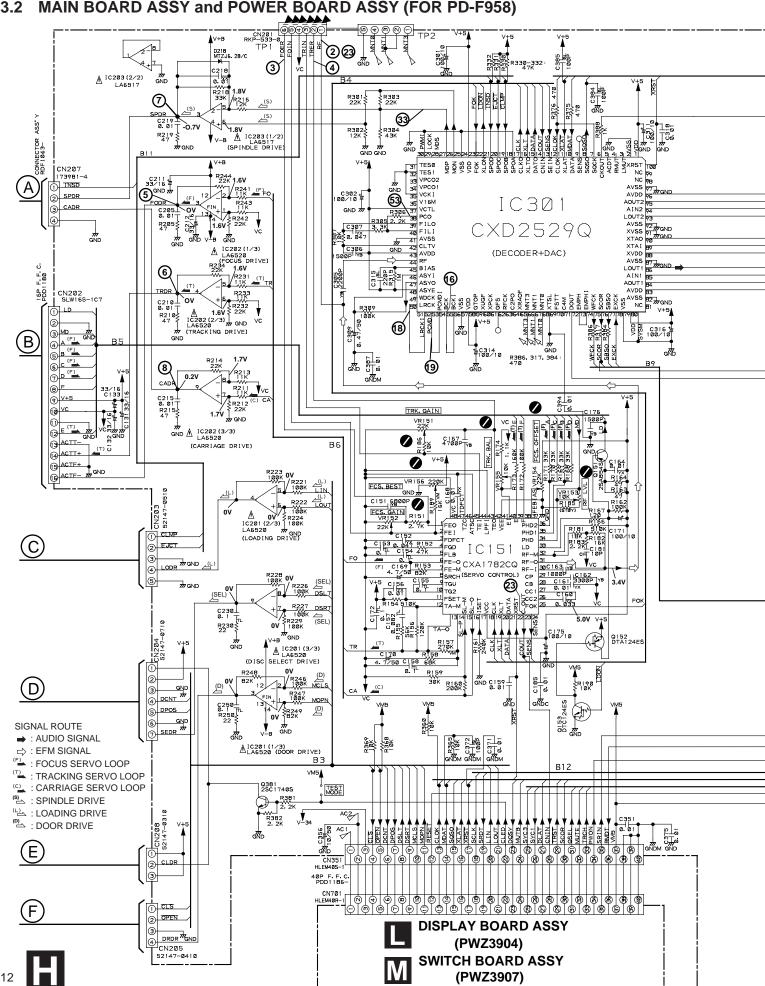


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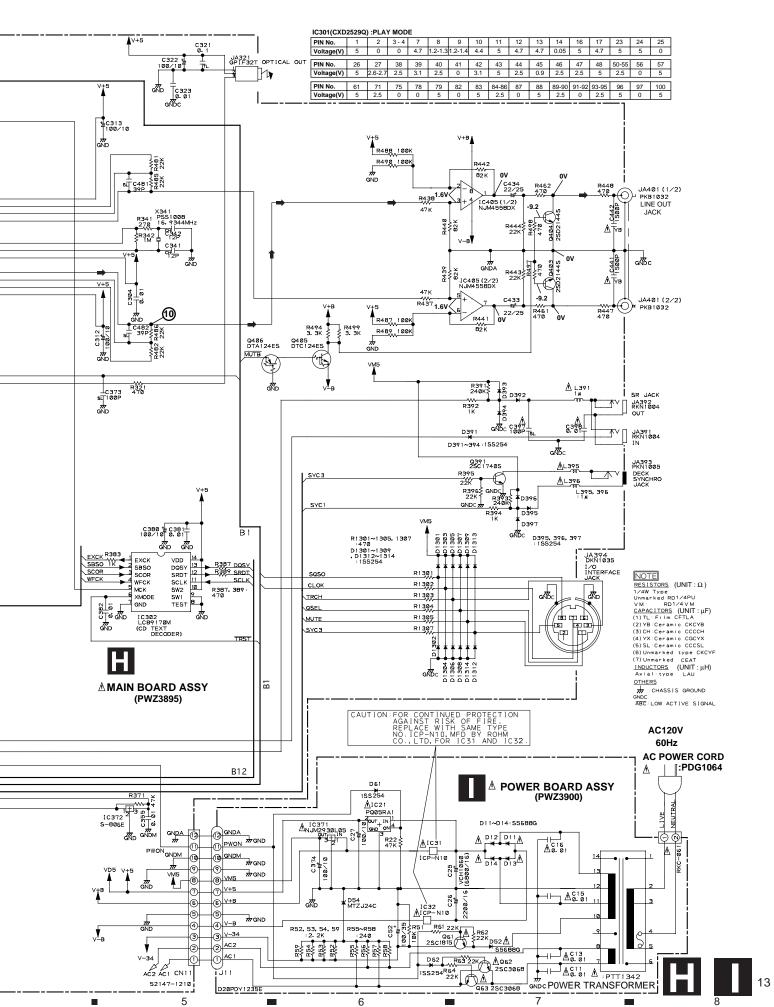
#### MAIN BOARD ASSY and POWER BOARD ASSY (FOR PD-F958)

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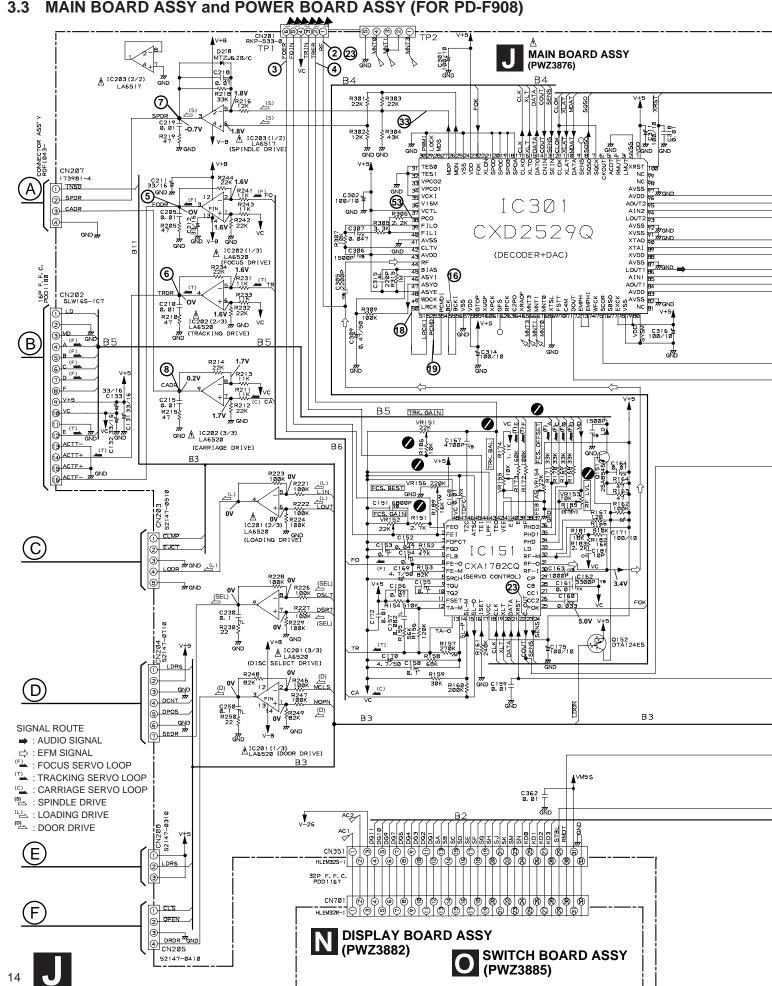
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#### MAIN BOARD ASSY and POWER BOARD ASSY (FOR PD-F908)

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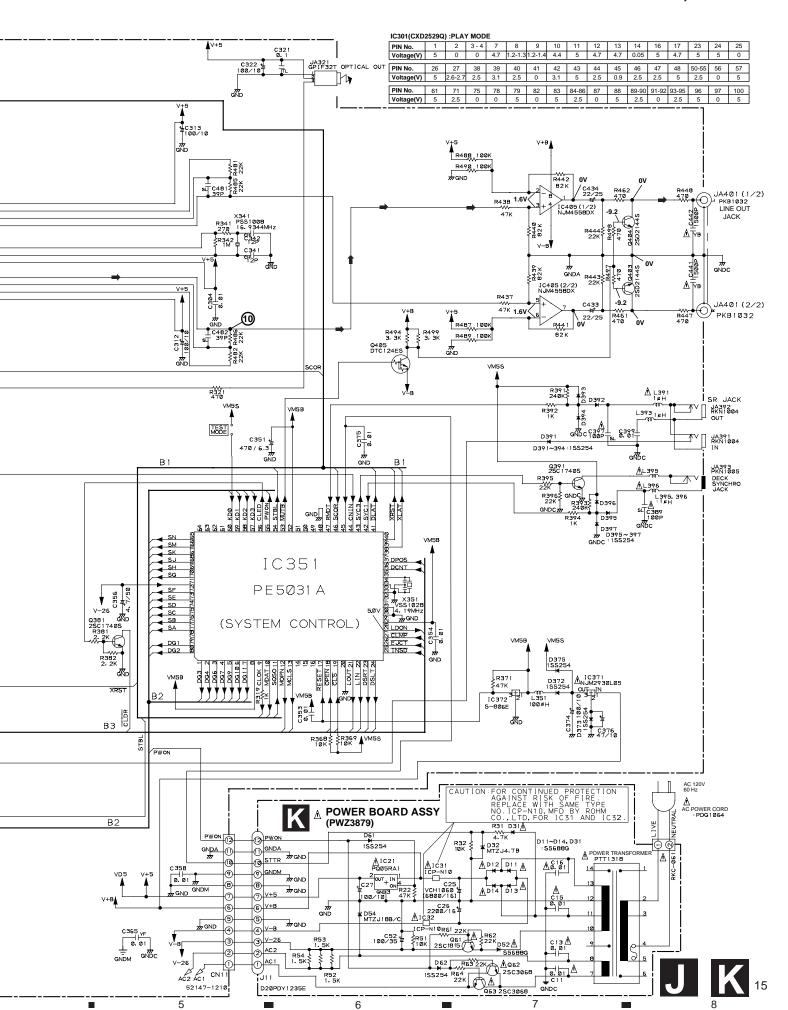


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С

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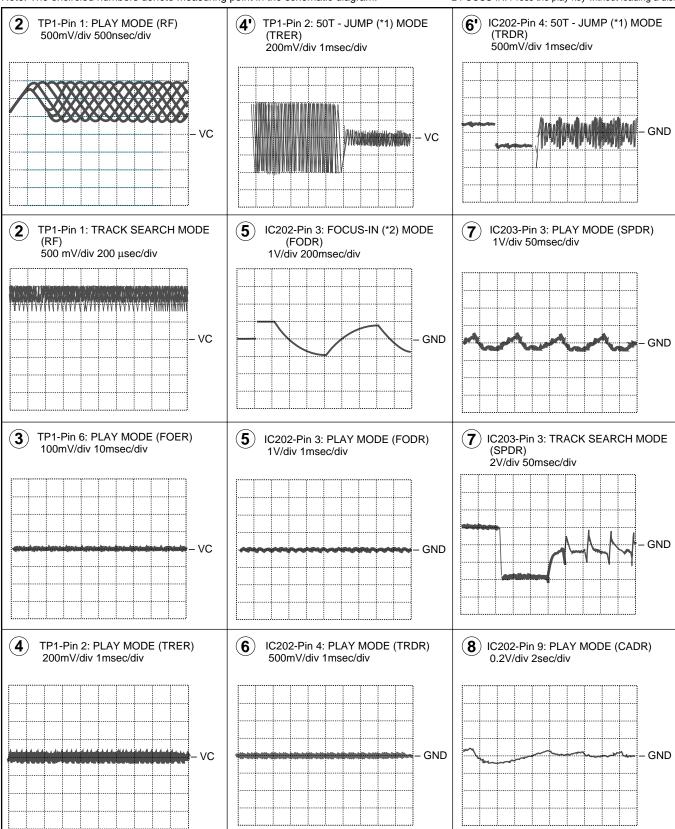


6

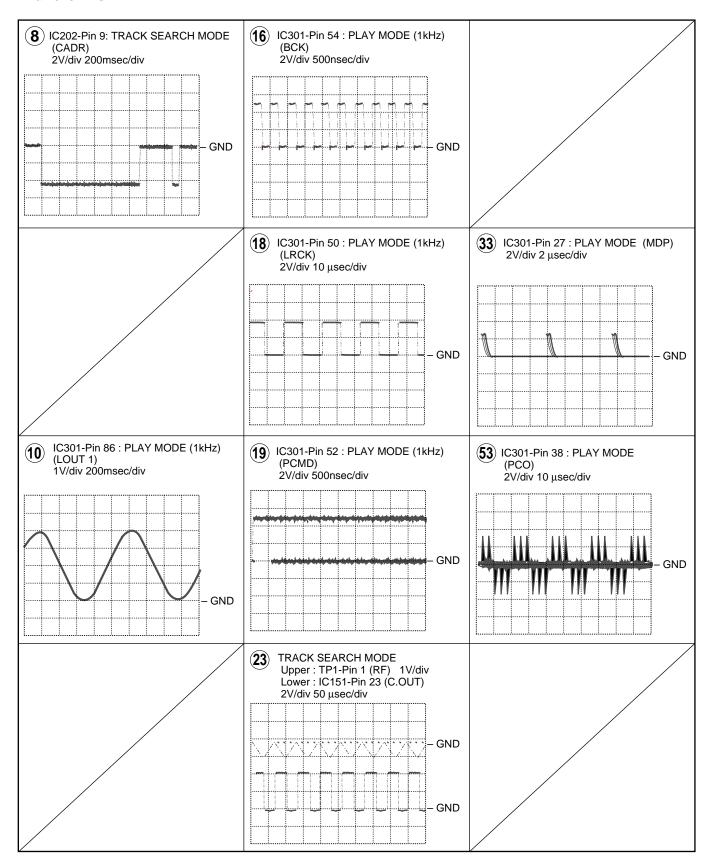
#### Waveforms (H, J)

Note: The encircled numbers denote measuring point in the schematic diagram.

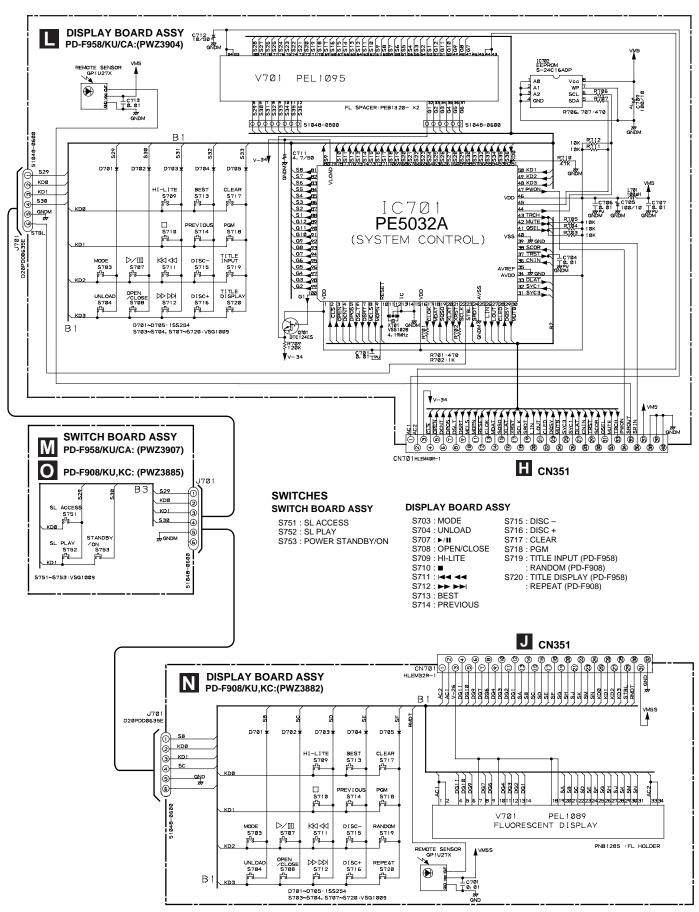
- \*1 50T-JUMP: After switching to the pause mode, press the manual search key.
- \*2 FOCUS-IN: Press the play key without loading a disc.



#### **Waveforms**



#### DISPLAY BOARD ASSY and SWITCH BOARD ASSY



3

D

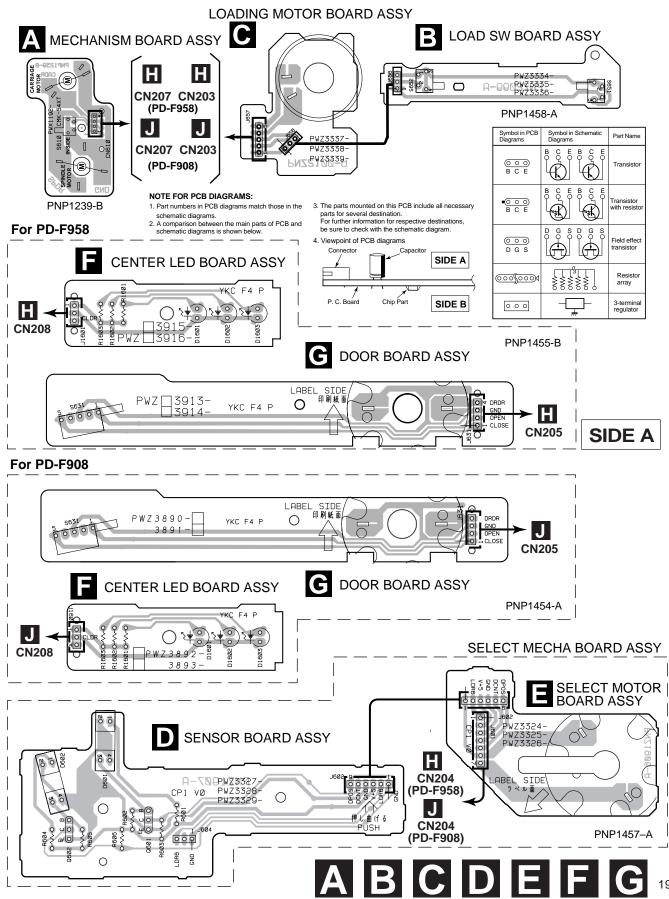
В

3

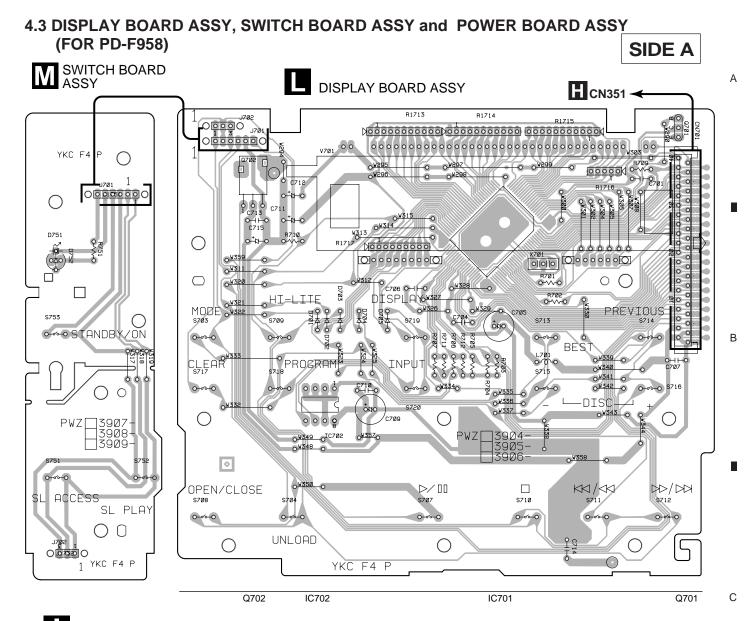
## 4. PCB CONNECTION DIAGRAM

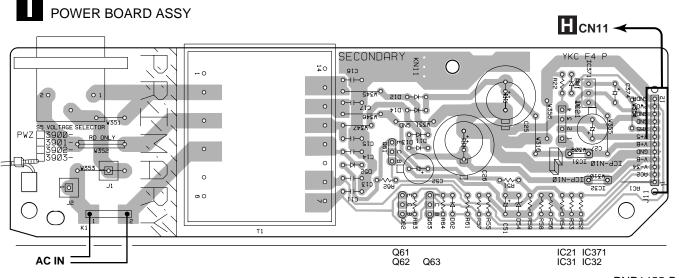
4.1 MECHANISM BOARD ASSY, SENSOR BOARD ASSY, LOAD SW BOARD ASSY, SELECT MOTOR BOARD ASSY, LOADING MOTOR BOARD ASSY, CENTER LED BOARD ASSY and DOOR BOARD ASSY

3



3





2

1

PNP1455-B



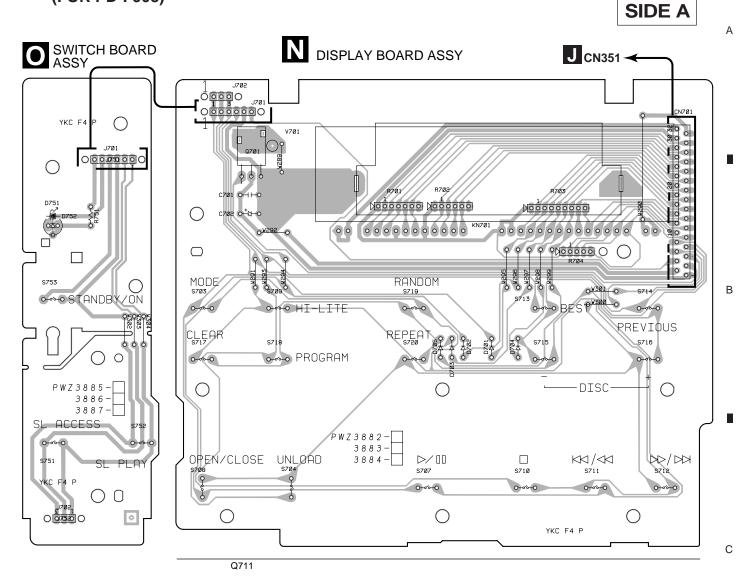
D

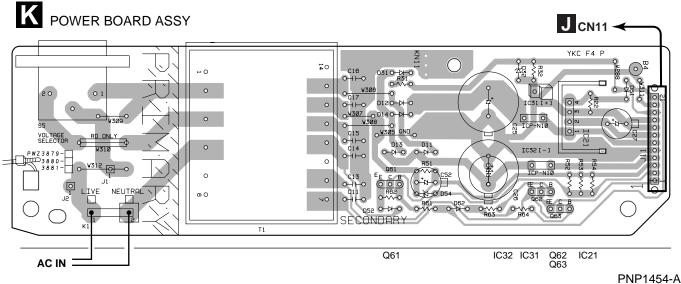
PD-F958, PD-F908 4.4 MAIN BOARD ASSY(FOR PD-F908) To PICKUP ASSY SIDE A MAIN BOARD ASSY Q391 Q152 Q151 Q454 Q404 IC406 Q403 ( **A** -**CN610** IC151 Q405 C J657 VR152 VR156 VR151 VR151 VR151 VR151 VR155 VR156 IC371 IC401 IC203 Q322 F IC351 J1601 Q381 G <del>J63</del>1 Ν CN701 PNP1454-A

3

4.5 DISPLAY BOARD ASSY, SWITCH BOARD ASSY and POWER BOARD ASSY (FOR PD-F908)

2





2

1

KNO

D

# 5. PCB PARTS LIST

NOTES: • Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.

- The riangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

#### LIST OF WHOLE PCB ASSEMBLIES

			Part No.		
Mark	Symbol and Description	PD-F958/ KU/CA	PD-F908/ KU	PD-F908/ KC	Remarks
NSP	MOTHER BOARD ASSY	PWM2269	PWM2266	PWM2266	
<u>^^</u>	─ MAIN BOARD ASSY	PWZ3895	PWZ3876	PWZ3876	
<u> </u>	POWER BOARD ASSY	PWZ3900	PWZ3879	PWZ3879	
	DISPLAY BOARD ASSY	PWZ3904	PWZ3882	PWZ3882	
NSP	<ul> <li>SWITCH BOARD ASSY</li> </ul>	PWZ3907	PWZ3885	PWZ3885	
NSP	─ DOOR BOARD ASSY	PWZ3913	PWZ3890	PWZ3890	
NSP	└─ CENTER LED ASSY	PWZ3915	PWZ3892	PWZ3892	
NSP	SELECT MECHA BOARD ASSY	PWX1465	PWX1465	PWX1465	
NSP	SELECT MOTOR BOARD ASSY	PWZ3324	PWZ3324	PWZ3324	
NSP	└ SENSOR BOARD ASSY	PWZ3327	PWZ3327	PWZ3327	
	LOADING MECHANISM ASSY	PXA1589	PXA1589	PXA1589	
NSP	LOADING MECHA BOARD ASSY	PWX1474	PWX1474	PWX1474	
NSP	LOAD SW BOARD ASSY	PWZ3334	PWZ3334	PWZ3334	
NSP	LOADING MOTOR BOARD ASSY	PWZ3337	PWZ3337	PWZ3337	
NSP	SERVO MECHANISM ASSY GM	PXA1591	PXA1591	PXA1591	
	∟MECHANISM BOARD ASSY	PWX1192	PWX1192	PWX1192	

#### ■ CONTRAST OF PCB ASSEMBLIES

#### SWITCH BOARD Assy

Although PWZ3907 and PWZ3885 are different in part number, they consist of the same components.

#### **DOOR BOARD Assy**

Although PWZ3913 and PWZ3890 are different in part number, they consist of the same components.

#### **CENTER LED BOARD Assy**

Although PWZ3915 and PWZ3892 are different in part number, they consist of the same components.

### ■ PARTS LIST FOR PD-F958/KU/CA

Mark	No. Description	Part No.	Mark	No.	Description	Part No.
H	MAIN BOARD ASS	Y (PWZ3895)		Other Re	esistors	RD1/4PU□□□J
			OTH	ERS		
SEM	IICONDUCTORS  IC151 IC301 IC203 IC201, IC202 IC302	CXA1782CQ CXD2529Q LA6517 LA6520 LC89170M		CN207 CN208 CN205 CN203 CN204	MT 4P CONNECTOR 3P JUMPER CONNECTOR 4P JUMPER CONNECTOR 5P JUMPER CONNECTOR 7P JUMPER CONNECTOR	173981-4 52147-0310 52147-0410 52147-0510 52147-0710
	IC372 IC405 Q151 Q381, Q391 Q403, Q404	S-806E NJM4558DX 2SA854S 2SC1740S 2SD2144S		CN11 JA394 JA321 CN351 JA401	12P JUMPER CONNECTOR I/O INTERFACE JACK OPTICAL LINK OUT FFC CONNECTOR 40P 2P JACK	52147-1210 DKN1035 GP1F32T HLEM40S-1 PKB1032
	Q152, Q406 Q153, Q321, Q405 D1301– D1309, D1312– D13 D341, D391– D397 D218	DTA124ES DTC124ES 14, D321 1SS254 1SS254 MTZJ6.2B		JA393 X341 JA391, J CN201 CN202	JACK X TAL.RES.(16.9344MHz) A392 JACK CONNECTOR 6P FFC CONNECTOR	PKN1005 PSS1008 RKN1004 RKP-533 SLW16S-1C7
COIL	LS AND FILTERS				SCREW PLATE	VNE1948
045	L391, L395, L396	LAU1R0J		DOW/		)M/72000)
CAP	ACITORS C181 C341, C342	CCCCH100D50 CCCCH120J50	SEM		ER BOARD ASSY (P ICTORS	WZ3900)
	C372, C373, C384, C385, C3 C315 C481, C482	CCCSL221J50 CCCSL390J50	<u>↑</u> <u>↑</u> <u>↑</u> <u>↑</u> <u>↑</u>	IC31, IC3 IC37 IC21 Q61	32	ICP-N10 NJM2930L05 PQ05RA1 2SC1815
	C356 C171, C175, C301, C302 C311–C314, C316, C322, C3 C433, C434 C131–C133, C211, C212	CEAT100M50 CEAT101M10 S80 CEAT101M10 CEAT220M25 CEAT330M16	<u>^</u>	Q62, Q6 D54 D11– D1 D61, D62	4, D52	2SC3068 MTZJ24B S5688G 1SS254
	C169, C170 C309 C153– C155, C158, C172, C2 C250, C321 C157	CEAT4R7M50 CEATR47M50 230 CFTLA104J50 CFTLA104J50 CFTLA823J50	CAP	C27, C37 C52 C26	S	CEAT101M10 CEAT101M35 CEAT222M16 CKCYF103Z50 VCH1060
	C156, C161, C164, C168, C2 C160 C152, C307 C163	18 CGCYX103K25 CGCYX333K25 CGCYX473K25 CKCYB102K50		ISTORS All Resis		RD1/4PU□□□J
	C176, C306, C441, C442 C305 C162 C167 C151	CKCYB152K50  CKCYB222K50  CKCYB332K50  CKCYB472K50  CKCYB682K50	OTH	J11	12P CABLE HOLDER JUMPER WIRE POWER TRANSFORMER TERMINAL	51048-1200 D20PDY1235E PTT1342 RKC-061
	C159, C185, C205, C210, C2		I	DISPI	AY BOARD ASSY (	PW73904)
RES	C219, C304, C318, C323, C3 C355, C371, C375 C381, C382, C387, C394, C3 ISTORS	CKCYF103Z50	SEM		ICTORS	PE5032A S-24C16ADP
_3	R189 R157 VR153, VR155 (10k Ω)	RD1/4VM163J RD1/4VM274J VCP1156	COIL	Q701 D701– D	FILTERS	DTC124ES 1SS254
	VR151, VR152, VR154 (22 VR156 (220k Ω)	k Ω) VCP1158 VCP1164		L701	AXIAL INDUCTOR	LAU101J

Mark No.	Description	Part No.	Mark	No.	Description	Part No.
SWITCHE	S		ОТН	ΞR		
S703	, S704, S707– S720	VSG1009		1000	ADED    AUDE	DOODIANAGO
CAPACITO	ORS			J602	JUMPER WIRE	D20PWW06
	, C709	CEAT100M50 CEAT101M6R3	В	LOA	D SW BOARD ASS	Y
	, C713 , C704, C706, C707	CEAT4R7M50 CKCYF103Z50 CKPUYY103M16	SWIT	CHES S651, S	AND RELAYS	VSG1006
RESISTO		OR OTTTOOMTO	OTHE			
	esistors	RD1/4PU□□□J		J656	3P JUMPER WIRE	D20PWW03
OTHERS						
CN70 V701		51048-0600 51048-0800 HLEM40R-1 PEL1095	ОТНІ		DING MOTOR BOAF	RD ASSY
X701		VSS1028		J657	5P JUMPER WIRE	D20PWY052
J701	JUMPER WIRE 6P REMOTE RECEIVER UNIT	D20PDD0635E GP1U27X	Λ	MFC	HANISM BOARD AS	SSY
M sw	ITCH BOARD ASSY		A			
Ш			SWIT			D004040
SWITCHE	S AND RELAYS		ОТН	S610		DSG1016
S751	– S753	VSG1009	ОТП	<b>-K</b> CN610	MT 4P CONNECTOR	173979-4
				CINOTO	WIT 4F CONNECTOR	173979-4
OTHER						
	6P CABLE HOLDER	51048-0600				
G DO	OR BOARD ASSY					
OTHERS						
	4P CABLE HOLDER	51048-0400				
	REAF SWITCH JUMPER WIRE	VSK1011 D20PDY0425E				
F CE	NTER LED BOARD AS	SSY				
SEMICON	DUCTORS					
D160	1– D1603	SLR-342YCT31				
RESISTO	RS					
All Re	esistors	RD1/4PU□□□J				
J160	3P CABLE HOLDER 1 JUMPER WIRE	51048-0300 D20PDY0340G				
<b>S</b> EL	ECT MOTOR BOARD	ASSY				
OTHER						
J601	JUMPER WIRE	D20PWY0725E				

DTC124ES

RD1/4PU□□□J

GP1S53V

D20PWW0620E

D20PWW0310E

D20PWY0520E

D SENSOR BOARD ASSY

**SEMICONDUCTORS** Q601, Q602

D601, D602

All Resistors

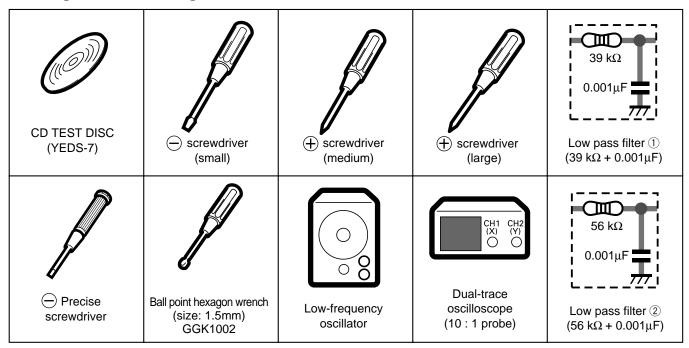
**RESISTORS** 

k	No. Description	Part No.	Mark	No.	Description	Part No.
	MAIN BOARD ASSY(PW	Z3876)		VR156 Other Re	(220k Ω)	VCP1164 RD1/4PU□□□□
_			OTHE		23/3/013	
MΙ	CONDUCTORS		OIII	CN207	MT 4P CONNECTOR	173981-4
	IC151	CXA1782CQ		CN207	3P JUMPER CONNECTOR	52147-0310
	IC301	CXD2529Q		CN205	4P JUMPER CONNECTOR	52147-0410
	IC203	LA6517		CN203	5P JUMPER CONNECTOR	52147-0510
	IC201, IC202	LA6520		CN204	7P JUMPER CONNECTOR	52147-0710
	IC371	NJM2930L05				
	10405	NIMAEEODV		CN11	12P JUMPER CONNECTOR	52147-1210
	IC405 IC372	NJM4558DX S-806E		JA321	OPTICAL LINK OUT	GP1F32T
	IC351	PE5031A		CN351	FFC CONNECTOR 32P	HLEM32S-1
	Q151	2SA854S		JA401	2P JACK	PKB1032
	Q381, Q391	2SC1740S		JA393	JACK	PKN1005
	Q001, Q001	20011100		X341	X TAL.RES.(16.9344MHz)	PSS1008
	Q403, Q404	2SD2144S			IA392 JACK	RKN1004
	Q152,	DTA124ES		CN201	CONNECTOR 6P	RKP-533
	Q405	DTC124ES		CN202	FFC CONNECTOR	SLW16S-1C7
	D372, D373, D375, D391- D397	1SS254		011202	SCREW PLATE	VNE1948
	D218	MTZJ6.2B		X351	CERAMIC RES.(4.19MHz)	VSS1028
IL:	S AND FILTERS				,	
	L391, L395, L396, L393	LAU1R0J	K	POWI	ER BOARD ASSY (P	W <b>7</b> 3879)
	L351 AXIAL INDUCTOR	LAU101J				1120010)
PΑ	CITORS		OFM	001101	IOTODO	
	C181	CCCCH100D50			JCTORS	
	C341, C342	CCCCH120J50	<u>^</u> \\ <u>^\</u> \\ <u>^\</u> \\	IC31, IC	32	ICP-N10T
	C389, C397	CCCSL101J50	<u>/1\</u>	IC21		PQ05RA1
	C315	CCCSL221J50	<u> </u>	Q61	_	2SC1815
	C481, C482	CCCSL390J50	<u> </u>	Q62, Q6	3	2SC3068
				D54		MTZJ18B/C
	C171, C175, C301, C302	CEAS101M10	$\triangle$	D11_ D1	4, D31, D52	S5688G
	C311- C314, C316, C322, C374	CEAS101M10	7:\	D61, D6		1SS254
	C73	CEAS101M10		D32	2	MTZJ4.7B
	C371	CEAS1R0M50	CAR	ACITOR		1111201112
	C433, C434	CEAS220M25	CAFA	C27	.3	CEAS101M10
	C131- C133, C211, C212	CEAS330M16		C52		CEAS101M10
	C376	CEAS470M10		C26		CEAS222M16
	C351	CEAS471M6R3			3, C15, C16	CKCYF103Z50
	C169, C170, C356	CEAS4R7M50		C25	(6800 μF/16V)	VCH1060
	C309	CEASR47M50	RESI	STORS	, ,	
			IXLOI	All Resis		RD1/4PU
	C153 – C155, C158, C230	CFTXA104J50		All IVESIS	Stors	ND 1/4F OLLL
	C250, C321	CFTXA104J50	OTU	-DC		
	C157	CFTXA823J50	OTHE		# # ADED \A#DE	B00BB\((25==
	C156, C161, C164, C168, C218	CGCYX103K25	٨	J11	JUMPER WIRE	D20PDY1235E
	C160	CGCYX333K25	<u>^</u>		POWER TRANSFORMER TERMINAL	PTT1318 RKC-061
	C152, C307	CGCYX473K25	<u> </u>		TERMINAL	KKC-001
	C163	CKCYB102K50		DIGE:	AV DO ADD 4000	D\\/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	C176, C306, C441, C442	CKCYB152K50		DISPL	LAY BOARD ASSY (	PWZ3882)
	C305	CKCYB222K50				
	C162	CKCYB332K50	SEMI	CONDI	JCTORS	
			0	D701- D		1SS254
	C167	CKCYB472K50	CAR	ACITOR		100204
	C151	CKCYB682K50	CAPA		<b>L</b>	
	C159, C172, C205, C210, C215	CKCYF103Z50		C701		CKCYF103Z50
	C219, C304, C318, C353	CKCYF103Z50	SWIT	CHES		
	C354, C358, C362, C365, C366	CKCYF103Z50		S703, S7	704, S707– S720	VSG1009
	C375, C399	CKCYF103Z50	OTHE	ERS		
	STORS	ONO 11 103230		CN701	FFC CONNECTOR 32P	HLEM32R-1
01/	SIUKS				FL INDICATOR TUBE	PEL1089
SIS				V/U1	I E INDICATOR TOBE	FELIUOS
SIS	R189	RD1/4VM163J		V701 J701	JUMPER WIRE	
SIS		RD1/4VM163J RD1/4VM274J VCP1156				D20PDD0635E GP1U27X

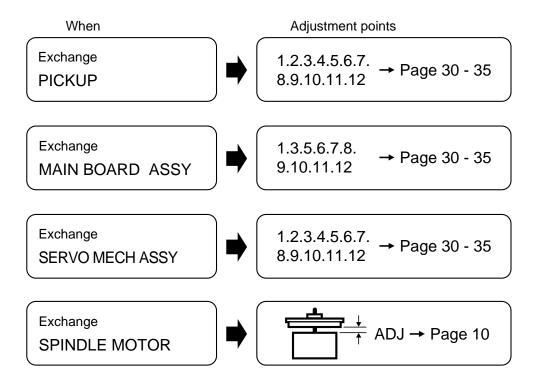
# 6. ADJUSTMENT

#### **6.1 PREPARATIONS**

#### 6.1.1 Jigs and Measuring Instruments



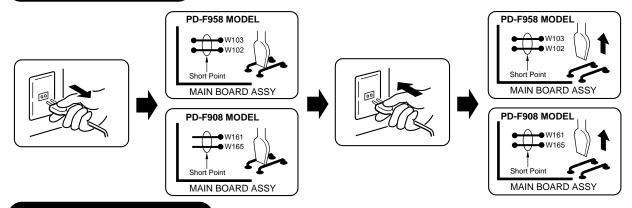
# **6.1.2 Necessary Adjustment Points**



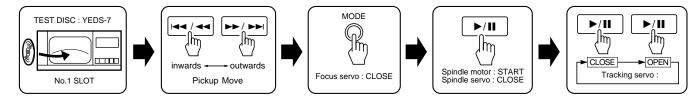
### **6.2 ADJUSTMENT**

#### 6.2.1 How to Start/Cancel Test Mode

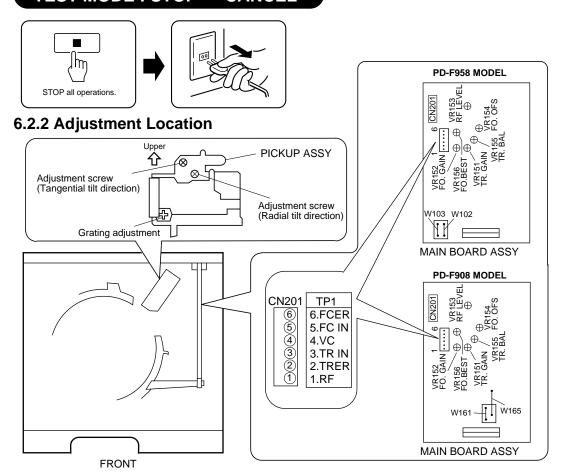
### **TEST MODE: ON**



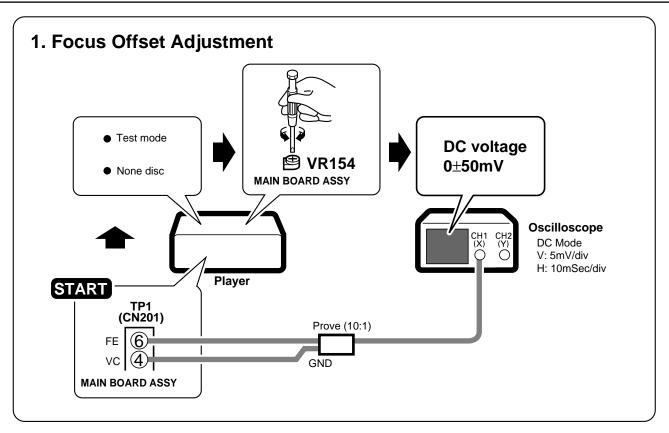
# **TEST MODE: PLAY**

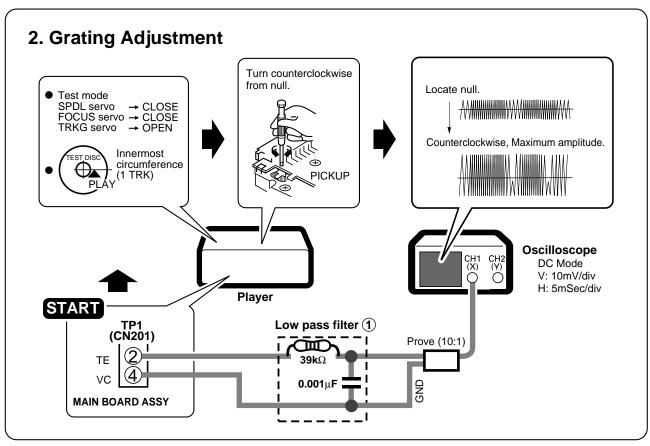


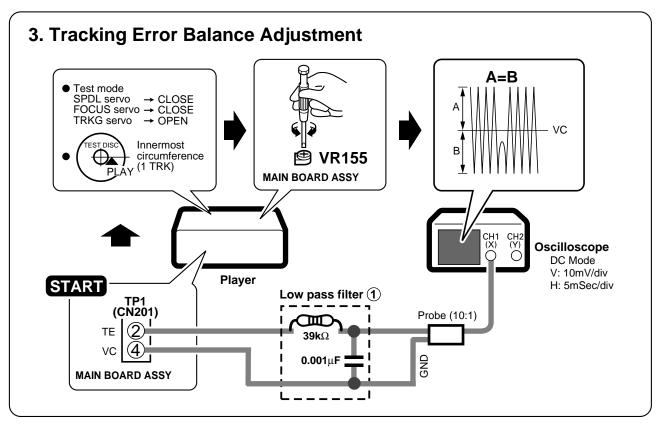
# **TEST MODE: STOP → CANCEL**

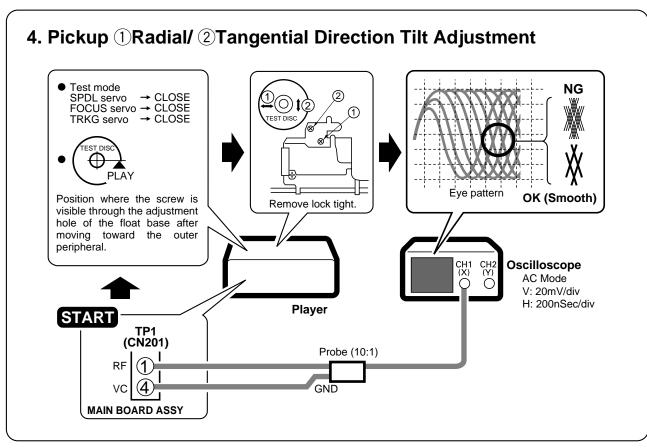


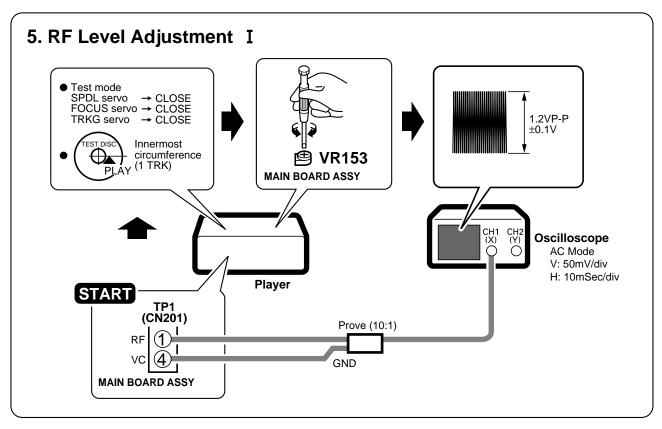
# 6.2.3 Check and Adjustment

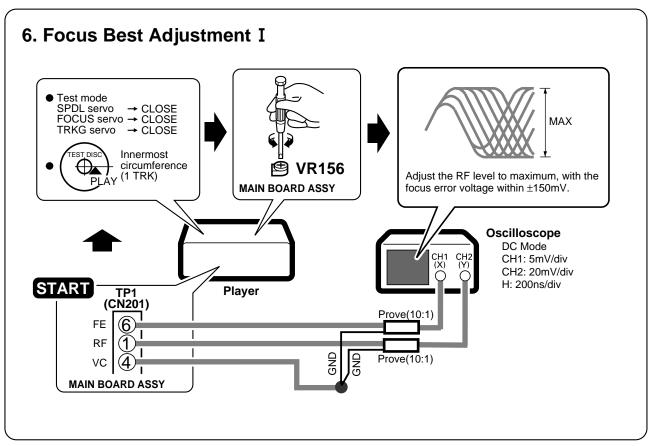


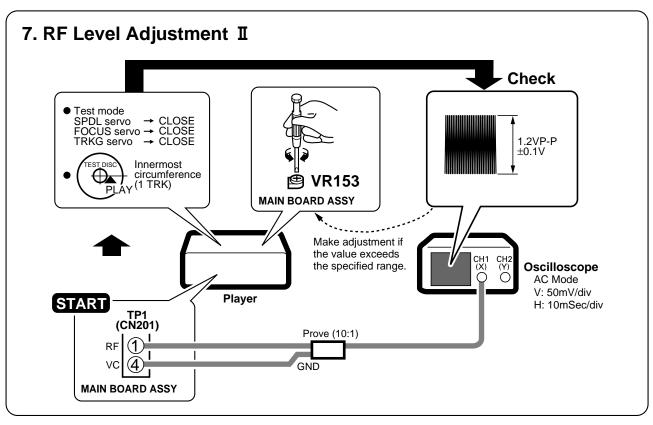


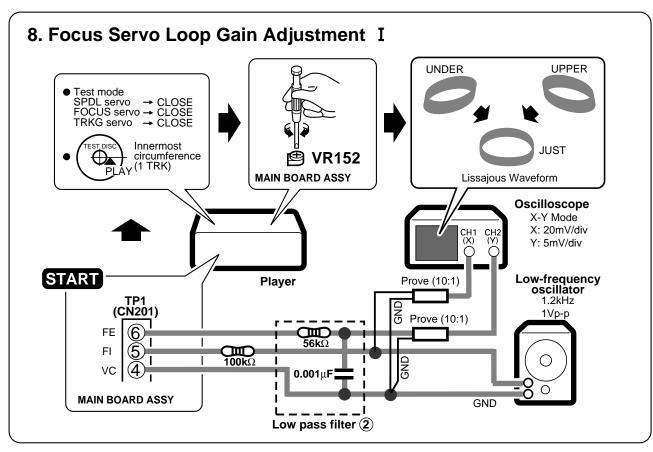


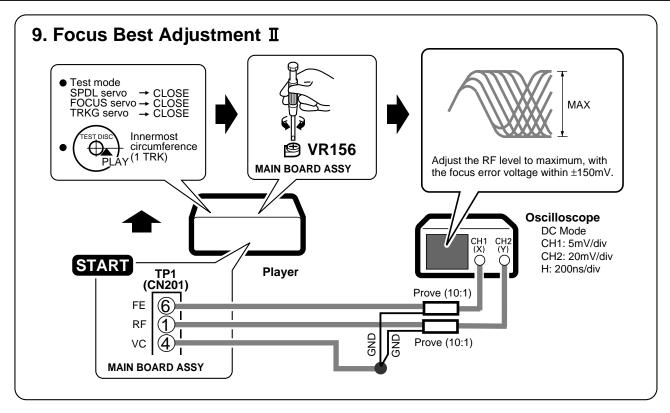


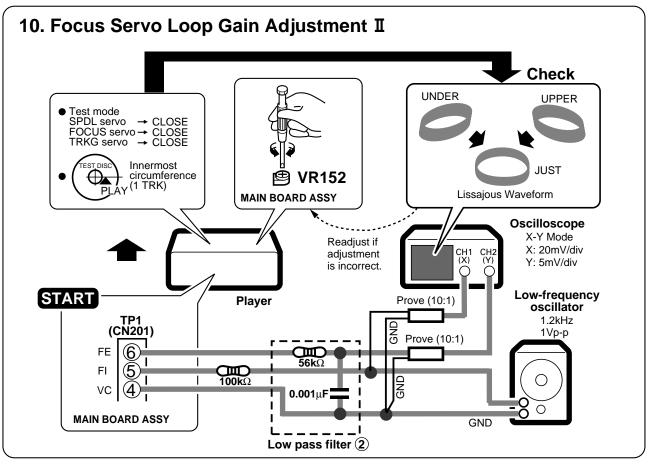


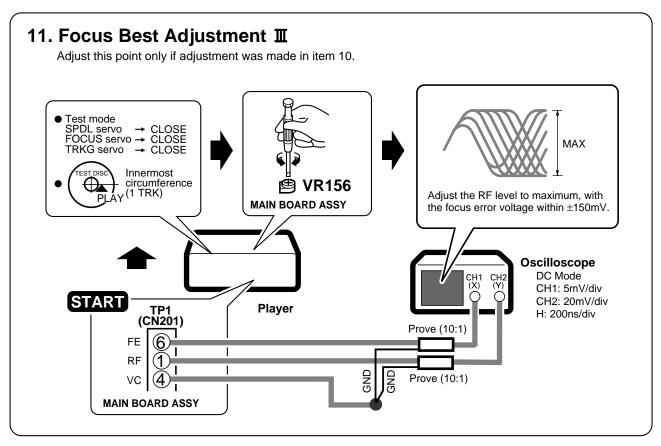


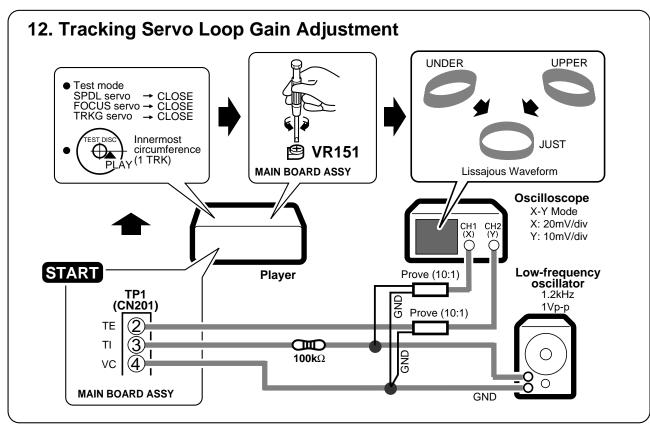












# 7. GENERAL INFORMATION

# **7.1 PARTS**

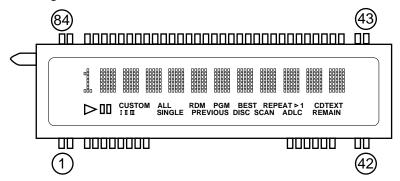
• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

7 1	PAR1	rs			Pin Name	I/O	Function
	1 / (()			47	PW ON	0	Standby - led /osce.
7.1	.1 IC			48	KD3	ı	Claridady 184 78888.
				49	KD2	ı	Key data input.
	PE5032	A (I(	C701:DISPLAY BOARD ASSY)	50	KD1	Ι	, ,
• 9	SYSTEM	A CC	ONTROL MICRO COMPUTER	51	KD0	I	
				52	S36	0	
• 1	Pin Fun	Ctio	n	53	S35	0	
No.	Pin Name	I/O	Function	54	S34	0	
1	VDD	+5V	+5V	55	S33	0	
2	CLS	ı	Hood open/close SW input.	56	S32	0	
3	OPEN	ı	Open (CLS:H,OPEN:L),Close (CLS:L,OPEN:H)	57	S31	0	
4	DCNT	ı	Disc count pulse input.	58	S30	0	
5	DPOS	ı	Disc position detection pulse input.	59	S29	0	
6	DSLT	0	Selecter output. Count up(DSRT:L,DSLT:H) Count down(DSRT:H,DSLT:L)	60	S28	0	
7	DSRT	0	Stop(DSRT:L,DSLT:L)	61	S27	0	
8	MCLS	0	Hood motor output. Open(MOPN:H,MCLS:L) Close(MOPN:L,MCLS:H)	62	S26	0	
9	MOPN	0	Stop(MOPN:L,MCLS:L)	63	S25	0	
10	RESET	I	CPU Reset.(L: RESET)	64	S24	0	FL driving segment output.
11	X2	-	Crystal connection for system clock oscillation	65	S23	0	
12	X1	_	:4.19MHz.	66	S22	0	
13	IC	GND	GND	67	S21	0	
14	XT2	-	NC (OPEN)	68	S20	0	
15	GND	ı	GND	69	S19	0	
16	VDD	+5V	+5V	70	S18	0	
17	CLOK	0	Serial clock.	71	S17	0	
18	MDAT	0	LSI control data.	72	S16	0	
19	SQSO	ı	Serial input.(Q data/fcok/gfs/sens/clmp/eject/insd)	73	S15	0	
20	XLAT	0	LSI control data latch pulse output.	74	S14	0	
21	XRST	0	Reset input fof each LSI.	75	S13	0	
22	SCLK	0	CD TEXT timing data clock output.	76	S12	0	
23	STBL	0	L: output.	77	S11	0	
24	SRDT	ı	CD TEXT data input.	78	S10	0	
25	AVSS	-	GND	79	VLOAD	-34V	-34V
26	LIN	0	Lauding motor output. IN(LIN:H,LOUT:L) OUT(LIN:L,LOUT:H)	80	S9	0	
27	LOUT	0	Stop(LIN:L,LOUT:L)	81	S8	0	
28	CLED	I/O	Center LED control (ON:H , OFF:input)	82	S7	0	
29	DQSY	I	CD TEXT data input.	83	S6	0	
30	MUTB	0	Muting output (L:MUTE)	84	S5	0	
31	SYC3	0	Synchronous output.	85	S4	0	
32	SYC1	1	Synchronous input.	86	S3	0	
33	DLAT	0	DAC control data latch pulse output.	87	S2	0	
34	AVDD	+5V	+5V	88	S1	0	
35	AVREF	GND	GND	89	G12 G11		El driving cogment outcut
36	CNIN	1	C.OUT input.	90	G11 G10	0	FL driving segment output.
37	TRST	0	CD TEXT decooder reset output. (L: reset)	91		0	
38	SCOR	I	Subcode sync SO+S1 input.	92 93	G9 G8	0	
39	SR IN		Remote control data input.	93	G7	0	
40	VSS	GND	GND Signal output for C DATA expansion	95	G6	0	
41	QSEL	0	Signal output for Q DATA expansion	96	G5	0	
42	MUTE	0	Muting output for expansion. (MUTE:H)	96	G4	0	
43	TRCH	0	Data serial output for expansion.	98	G3	0	
44	SCL	0	EEPROM clock output	98	G2	0	
45	SDA	1/0	EEPROM data IN/OUTPUT	100	G2 G1	0	
46	VDD	+5V	+5V	100	J1		

# **7.1.2 DISPLAY**

# ■ PEL1095 (V701: DISPLAY BOARD ASSY) : FOR PD-F958

Pin Assignment



# Anode Grid Assignment

G2	G3	G4	65 00000 00000 00000 00000	G6 00000 00000 00000 00000	67 00000 00000 00000 00000	G8 00000 00000 00000 00000	69 00000 00000 00000 00000 00000	G10 00000 00000 00000 00000	G11 00000 00000 00000 00000	G12 00000 00000 00000 00000
	CUSTO		 VGLE	ROM PREVI	PGM IOUS [	BES1 DISC 9	CAN	EAT > ADLC 		TEXT MAIN

	G 1		G1
S17		S27	SINGLE
\$18		S28	BEST
\$19	I	529	REMAIN
520	101	S30	$\overline{\bigcirc}$
521	1000	531	REPEAT
S22	CDTEXT	S32	PGM
S23	ADLC	S33	RDM
S24	SCAN	S34	ALL
S25	DISC	S35	CUSTOM
S26	PREVIOUS		

_	
	S1 S2 S3 S4 S5
	S6 S7 S8 S9 S10
	511 512 513 514 515
S36	516 517 518 519 520
536	521 522 523 524 525
	526 <b>527 528 529 530</b>
	531 532 533 534 535

#### Pin Connection

Din No	1	2	7 .	4	5	6	7	3	a	10	1.1	12	13	14	15	16	17	18	19	20	21
Pin No.	1	4		4							- ' '										
Assignment	NL	NL	NP	NP	\$29	S30	S31	S32	S33	S34	S35	S36	NP	NP	NP	NP	NP	NP	NP	NP	NP
Pin No.	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
Assignment	NP	NP	NP	NP	NP	NP	NP	NP	NP	NP	G1	G2	G3	G4	G5	G6	NP	NP	NP	NL	NL
Pin No.	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63
Assignment	F2	F2	NP	NP	<b>G</b> 7	G8	G9	G10	GII	G12	S١	S2	\$3	S4	S5	\$6	S7	S8	S9	S10	SII
Pin No.	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84
Assignment	\$12	\$13	\$14	S15	516	517	\$18	\$19	520	521	S22	\$23	S24	525	526	\$27	528	NP	NP	F1	F1

F1.F2:Filament

G1~G12:Grid

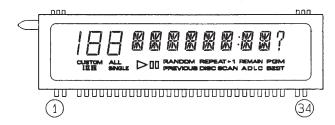
S1~S36:Anode

NP:No Pin

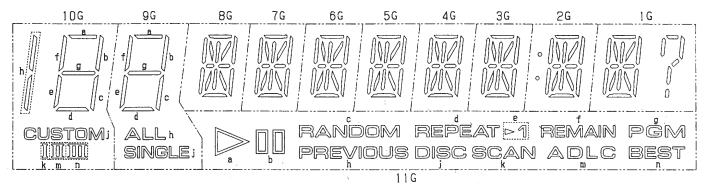
NL:No Lead

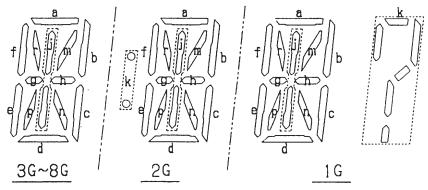
# ■ PEL1089 (V701: DISPLAY BOARD ASSY) : FOR PD-F908

#### Pin Assignment



# Anode Grid Assignment





#### Pin Connection

Pin No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Connection	F	F	NP	11G	10G	9G	8G	7G	6G	5 G	4 G	3G	2G	1 G	NL	NL	NL.	р	r	а
Pin No.	21	22	23	24	25	26	27	28	29	30	31	32	33	34						
Connection	b	С	ď	е	f	g	h	j	k	m	n .	NP	F	F						

F:Filament 1G~11G:Grid a~h, j, k, m, n, p, r:Anode NP:No Pin NL:No Lead

#### 7.2 DIAGNOSIS

#### 7.2.1 ERROR CODE DISPLAY

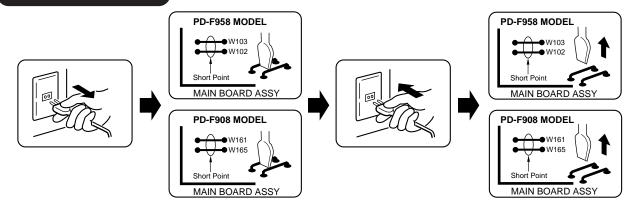
If a failure occurs in the Loading mechanism, the error symbol is automatically displayed on the fluorescent display screen of the front panel.

#### 7.2.2 ERROR HISTORY and DISPLAY

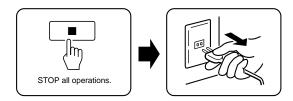
#### Error history display in test mode

The previously generated errors (NG processing) can be confirmed in the test mode. Since the has a backup function, the error history is memorized even if the power is turned off. (Memory holding time: About two days)

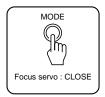
# **TEST MODE: ON**



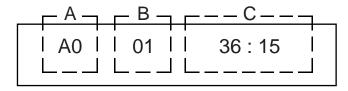
# **TEST MODE: STOP CANCEL**



■ Press the "BEST" button of the keys on the main body.



An error appears on the fluorescent indicator display by the above operation.



A: Disc No. : Error code
B: Track No. : Error sequence
C: Minute:second No. : Error generation mode
(Only 10's digit is valid.)

The previously generated 16 error codes (maximum) can be memorized. These error codes are displayed one at a time in the ascending order by pressing the "BEST" button again.

Note: A product performs fail safe operation when an error occurs. At that time, an error code is memorized by the fail safe operation after the error is eliminated.

# 7.2.3 ERROR HISTORY DISPLAY

# (1) Disc No. A: Detail of error code at portion

<Note> The user display appears only when the normal operation cannot be returned even if the fail safe operation is executed after each error occurs.

User	display	Description
None	A0	A disc couldn't be detected for playback after loading because;  No disc existed.
		A disc was turned upside down.
		A disc was dirty.
		A disc was loaded incompletely.
		The focus got out of place during playback due to the crack
		and stain on the disc.
None	A1	The servo mechanism couldn't move to the desired tune
		position within a fixed time during selection of a tune from
		playback or during playback.
	A3	A disc couldn't be loaded within a fixed time.
		(A disc couldn't be carried from the rack block.)
U1		
	A4	A disc couldn't be unloaded within a fixed time. (A disc couldn't
		be returned to the rack block.)
	A2	The LOADING mechanism couldn't move to the desired disc
		position within a fixed time during selection of a disc from
		playback or during playback start from stop.
U2		
	A5	• The LOADING mechanism couldn't be forcibly returned to
		the home position (left position when viewed from the front)
		within a fixed time after it is initialized or becomes NG.
None	A6	A disc couldn't be normally rotated for playback after loading
		because;
		A disc was turned upside down.
		A disc was dirty
		A disc was loaded incompletely.
		A disc couldn't be normally rotated during playback due to the
		crack and stain on the disc.

User	display	Description
None	A7	Mechanism position just before the LOADING mechanism shifts to the disc selection operation when the DCNT pin is low. (The DCNT pin is usually high when the LOADING mechanism is in the stop state. The mechanism position is thus judged to have been shifted for some reason. The shifted mechanism position may cause a failure.)
None	A8	Discrepancy has occurred between the detected disc position and the current disc position during movement of the loading mechanism. (The system may incorrectly counted the waveforms of the DCNT and DPOS terminals. If counting is incorrect, the position of the disc No. displayed does not match the disc position counted.)
None	A9	Mechanism position during disc loading when the DCNT pin is low. (The DCNT pin is usually high when the LOADING mechanism is in the stop state. The mechanism position is thus judged to have been shifted for some reason. The shifted mechanism position may cause a failure.)
None	AA	• The pickup block cannot return to the innermost circumference when the playback is Completed or another disc is shifted.

#### Hood section

User	display	Description
U3	P0	The hood did not open within the specified time. The switch of
		the hood was malfunctioning.
	P1	The hood did not close within the specified time. The switch of
		the hood was malfunctioning.
	P2	The hood was attempted to be opened with force when it was completely closed. The switch of the hood was malfunctioning.

# (2) Track No. B : Error sequence in portion

The display of 1 to 16 appears. The low number indicates the recently generated error. The error whose number is "1" was generated most recently.

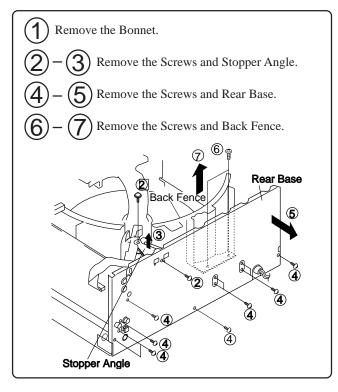
#### (3) Minute: Second No. C: Detail of error generation mode in portion

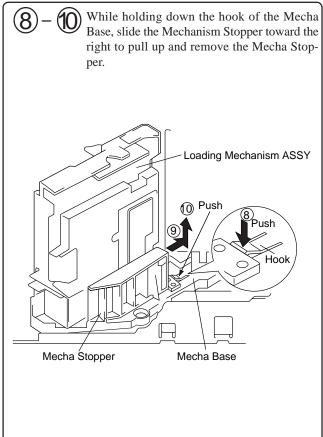
Indicates the internal mode in which the displayed error is generated. The upper digit in "minute: second" has the meaning.

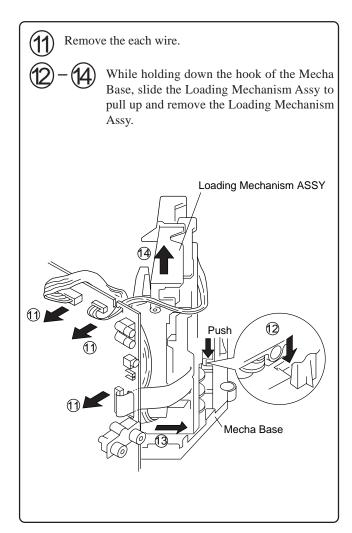
	Digit of minute	Digit of second						
Display	Contents	Display	Contents					
0 *	Spindle stop operation	0 *	During closing of the hood					
1 *	Disc return operation		and when the hood is com pletely close					
2 *	Disc selection operation							
3 *	Setup operation	1*	During opening of the hood					
4 *	CD-R setup operation		and when the hood is com					
5 *	TOC read		pletely open					
6 *	Track search operation							
7 *	Play							
8 *	Pause							
9 *	Manual search							

### 7.2.4 DISASSEMBLY

#### ■ REMOVING THE LOADING MECHANISM ASSY







#### **■ REMOVING THE OPERATION PANEL**

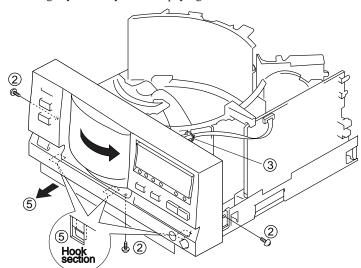
Remove the Bonnet.

(2) Remove the Screws.

(3) Cut the Binder securing the wire material.

Remove the Center Pole. (Refer to the "REMOVING THE DISC RACK")

(5) Shift the Front Panel slightly toward you while paying attention to the back side hooks on the Chassis.

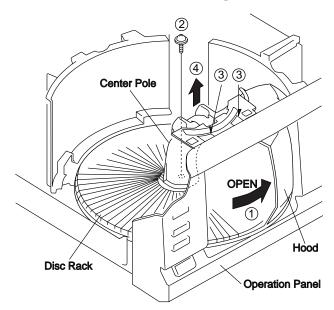


#### ■ REMOVING THE DISC RACK

1 Open the Hood.

Remove the Screws.

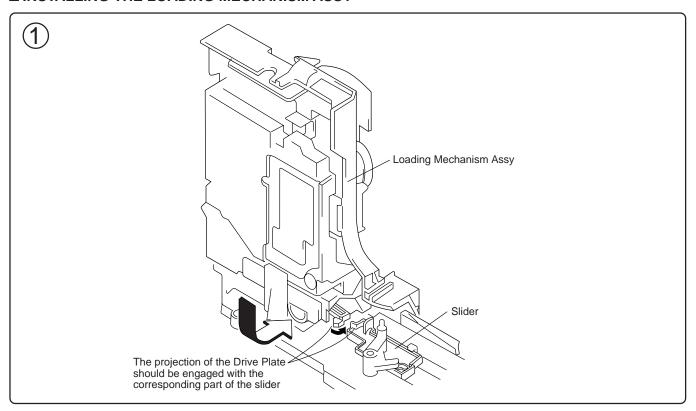
(3)-(4) Press the 2 hooks to remove the Center Pole from the Operation Panel.



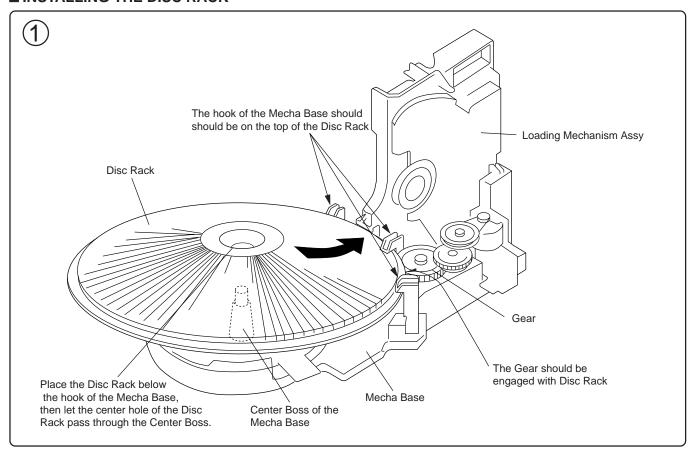
#### ■ REMOVE THE HOOD and HOOD BASE

Remove the Bonnet. Remove the Operation Panel. (Refer to the "REMOVING THE OPERATION PANEL") Remove the Screws. Remove the Back Fence. Press the hook of the Stopper of the Hood Base to remove the Stopper. Slide the Hood toward the left to remove the Hood. Remove the Screws. Remove the Hood Base. **Back Fence** Hood  ${\color{red} 7}_{\text{Turning}}$ Push Hook section Stopper **Hood Base** 6

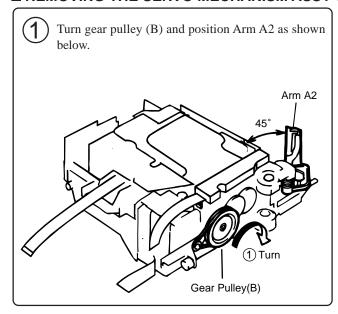
#### ■ INSTALLING THE LOADING MECHANISM ASSY

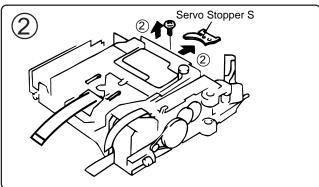


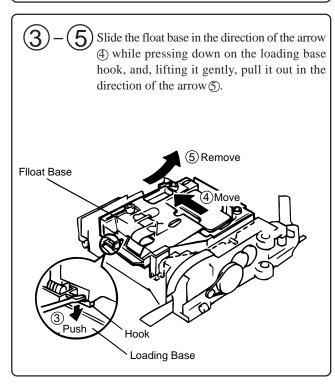
#### **■ INSTALLING THE DISC RACK**

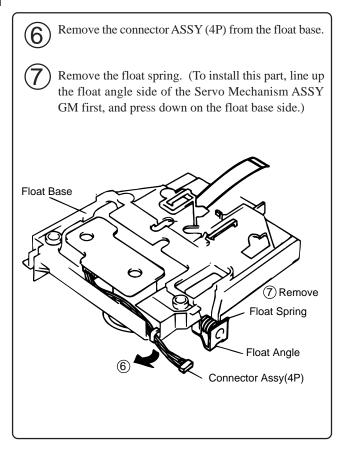


#### ■ REMOVING THE SERVO MECHANISM ASSY GM









ASSY GM. At this time the float rubber should remain on the float base side. (To install it on the float base when it has been removed, push it into place with a thin cylindrical object.

Servo Mechanism Assy Gm

Float Rubber

Float Base

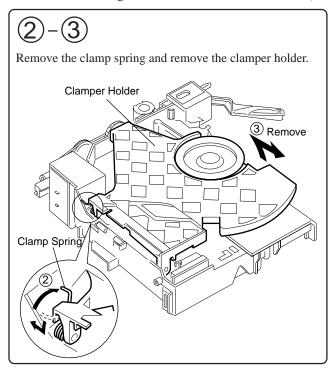
Remove the float rubber from the Servo Mechanism

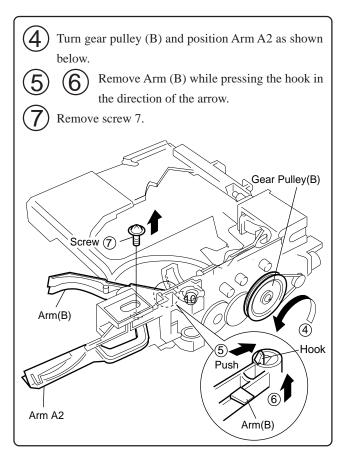
# PD-F958, PD-F908

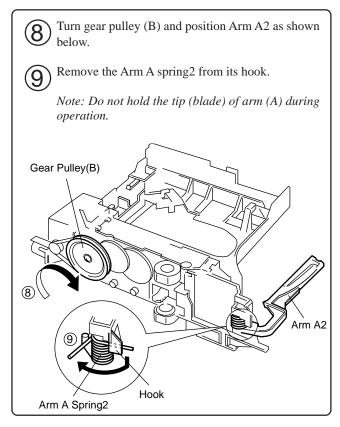
#### ■ REMOVING THE ARM A2

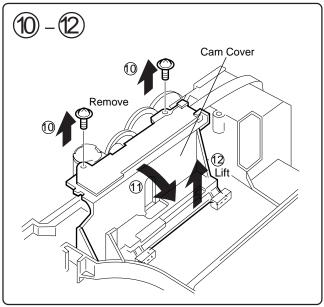
Remove the float base together with the Servo Mechanism ASSY GM. (Refer to Steps ①-⑤ for

"Removing the Servo Mechanism ASSY GM".)



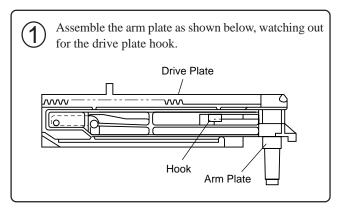


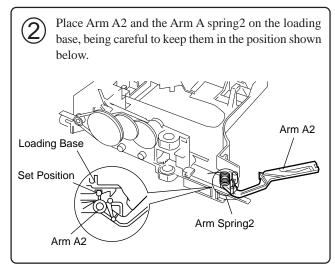


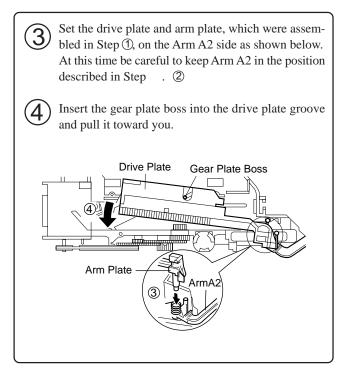


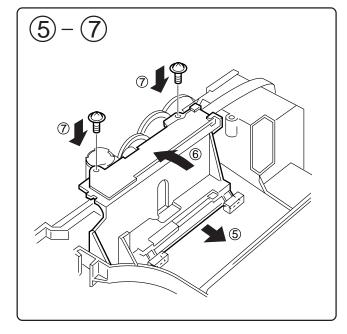
Remove drive plate, Arm plate, Arm A spring2 and Arm (A). (Refer to Steps 3-4 on page 47.)

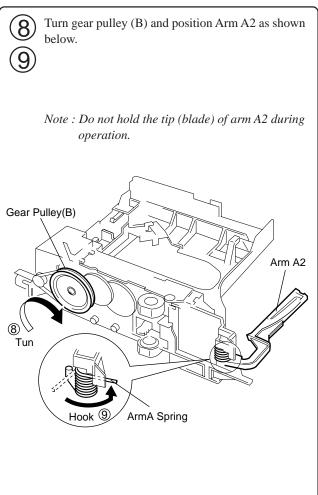
# ■ FOR REASSEMBLY, REVERSE THE DISASSEMBLY PROCEDURE, and IN ADDITION CARRY OUT THE FOLLOWING ITEMS.



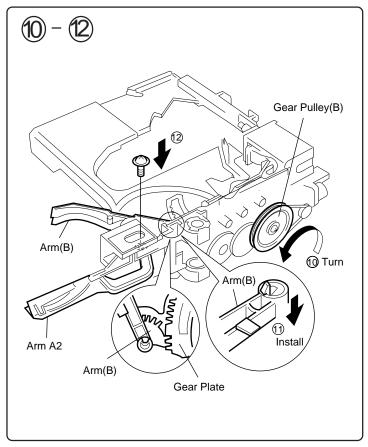


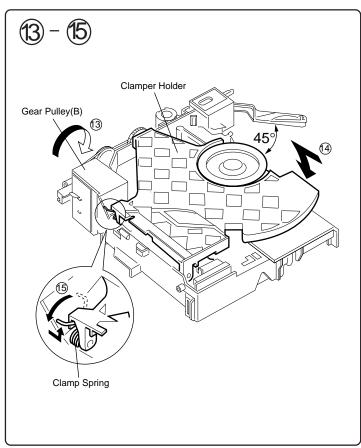




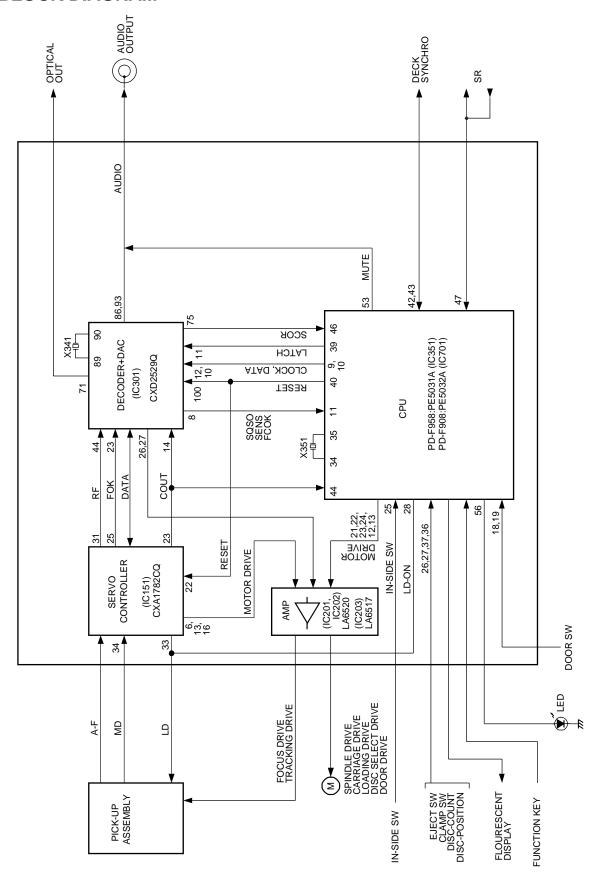


# PD-F958, PD-F908



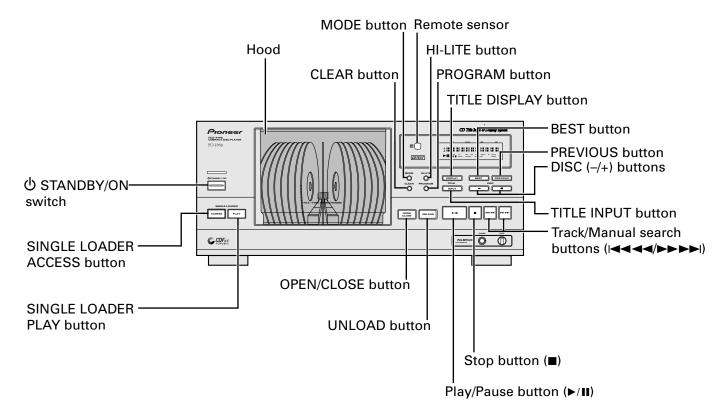


# 7.3 BLOCK DIAGRAM

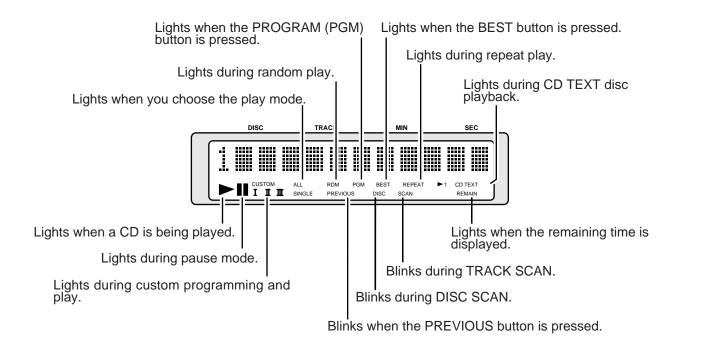


# 8. PANEL FACILITIES AND SPECIFICATIONS

#### FRONT PANEL



#### DISPLAY



#### **SPECIFICATION**

#### 1. General

#### 2. Audio section

2 Hz - 20 kHz
98 dB or more (EIAJ)
96 dB or more (EIAJ)
96 dB or more (EIAJ)
0.003 % or less (EIAJ)
1.0 dB or less (EIAJ)
2 Vrms (EIAJ)
less than ±0.001 % (W.PEAK)
below measurable level ) (EIAJ)
2-channel ( stereo )

#### 3. Output terminal

Audio line output
Control input jack (Except for U.K. model)
Control output jack (Except for European and U.K. models)
CD-DECK SYNCHRO jack
Optical digital output jack
I/O interface (Except for U.K. and F908 models)
Head phone jack with volume control
(Except for U.S. and Canadian models)

#### 4. Accessories

•	Remote control unit	. 1
•	Size AA/R6P dry cell batteries	2
•	Output cable	. 1
	Control cable (Except for European and U.K. models)	
•	CD liner notes file (Except for U.S. and Canadian models)	. 1
	Index label sheet (Except for U.S. and Canadian models)	
	Operating instructions	

#### Note.

Specifications and design subject to possible modification without notice, due to improvements.

